DX Hamvention®

Dayton · 2013

The Dayton/Montgomery County Convention & Visitors Bureau

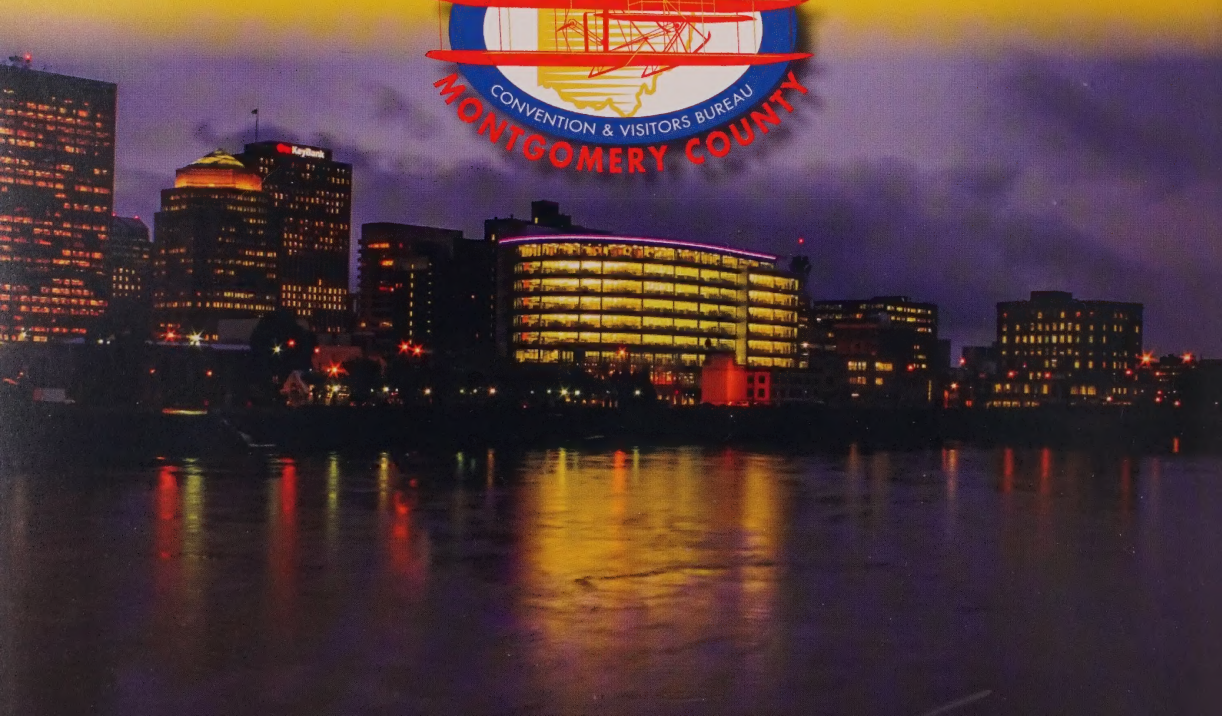
Welcomes HAMVENTION!

Be sure to enjoy the Greater Dayton area restaurants, attractions, and shops while you're here!

For more information call the Dayton/Montgomery County Convention & Visitors Bureau today!

Call 800-221-8235 www.daytoncvb.com

DAYTON MONTGOMERY COUNTY CONVENTION & VISITORS BUREAU



Welcome to the 2013 Dayton Hamvention
DX Hamvention

Dear Hamvention Visitors,

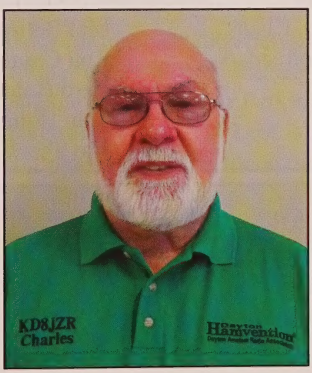
Welcome to Dayton, Ohio and the 2013 Dayton Hamvention.
Whether you're a first-timer or a long time attendee, we hope you find this year's annual gathering a thoroughly enjoyable and worthwhile experience. This annual event has taken place each year since 1952, and we are certainly pleased you made it here to share with us the Dayton Hamvention 2013.

Sponsored by the Dayton Amateur Radio Association (DARA), the annual gathering is a totally volunteer activity - from the General Chairman to the other 400-plus folks it takes each year to make this major international amateur radio event a reality. While we do lease the buildings from the Hara facility and hire security, fire, EMS, and other peripheral support services, the overwhelming majority of the effort is simply a labor of love on the part of volunteer amateurs from around the globe, as well as the many here in Dayton. Planning for this year's event started immediately after the doors closed on the last Hamvention, and I would urge you to take the opportunity to thank all of our volunteers – the ones who make it happen. The crew works hard throughout the year to plan and produce what we consider one of the best annual events in the world of amateur radio.

So, while you are here in Dayton, make new friends, catch up with old ones, see what's new, attend the forums, and just enjoy yourself. But most of all, we hope you and yours find the visit exciting and enjoyable - as well as informative. So, thank you for attending and we hope you depart with a wealth of great and treasured memories.

Best and 73,
Charles Kaiser, KD8JZR
General Chairman

Charles Kaiser, KD8JZR
General Chairman



Jim Tiderman, N8IDS
Assistant General Chairman

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Publication Deadline

Information to be included in the Hamvention Program must be submitted to the appropriate Hamvention committee no later than April 1 of the publication year.

Design and Layout

Program was created by Chuck Wright, K8MDB

The Dayton Hamvention Program is published by the Hamvention Committee. Permission is granted for reprinting articles, provided credit is given to the original author and the Hamvention Program.

Souvenir Program Committee

Chair ..... Jerry Miller, WD8QAI
Asst. Chair ..... Mel Berman, W8GTR
Proofreaders ..... Ron Cramer, KD8ENJ
Barb Holmes, N8EYW
Tom Holmes, N8ZM
Jim Shaw, AL7BA

The Dayton Amateur Radio Association (DARA) and Hamvention fully support and are committed to the objectives of the Americans with Disabilities Act (ADA). We strive to provide equal opportunity to all ADA qualified persons who participate in Hamvention®. Our objective is to provide access to the event and we expect nothing less of those who provide building facilities, exhibits and services at our event.

Activities & Times

FRIDAY ACTIVITIES

8:00 a.m. - 6:00 p.m.	Flea Market open. Bus service available starting 7:00 a.m. (Buses are scheduled to pick up passengers at 7 a.m. to arrive at HARA by 8 a.m.) Programs available at all ticket selling points & DARA Booth.
9:00 a.m. - 6:00 p.m.	Inside Exhibits open, prizes on display, and exams.
9:15 a.m. - 5:00 p.m.	Forums and scheduled activities.
11:00 a.m. - 6:00 p.m.	Hourly prize drawings.

SATURDAY ACTIVITIES

8:00 a.m. - 5:00 p.m.	Flea Market open. Bus service available.
9:00 a.m. - 5:00 p.m.	Inside Exhibits open.
9:15 a.m. - 5:00 p.m.	Forums and scheduled activities.
9:00 a.m. - 3:00 p.m.	Hourly prize drawings.

SUNDAY ACTIVITIES

8:00 a.m. - 1:00 p.m.	Flea Market open.
8:00 a.m. - 3:00 p.m.	Bus service available.
9:00 a.m. - 1:00 p.m.	Inside Exhibits open, prizes on display.
9:00 a.m. - 12:00 p.m.	Hourly prize drawings.
9:15 a.m. - 12:00 p.m.	Forums and scheduled activities.
1:00 p.m.	Award Winners' Presentation in Hara Arena.
1:00 p.m.	Prize Drawing in Hara Arena (unclaimed hourly prizes, followed by main prizes). Bus Service will be available for a short time after the main prize drawing.

Tickets

Full-price tickets are available at the Hara Arena Box Office (Door #14) and the East Hall (Door #27) during the times shown below. A General Admission ticket is required to enter both the Inside Exhibits and the Flea Market. The tickets are $25.00 and valid for all three days. All persons over 12 years of age attending the Hamvention are required to have an admission ticket. Special free student tickets are available for students through high school. College students must have full price tickets.

Individual bus tickets for transportation between the Remote Parking at the former Salem Mall and Hara Arena will be available at the Remote Parking Site under the Bus Ticket Sales tent. The cost is $8.00 on Friday, $6.00 on Saturday, and $4.00 on Sunday. Children under 45" or under 12 years of age can ride the bus, with an accompanying adult, free of charge.

Ticket Sales Hours

Friday	7:00 a.m. to 6:00 p.m.
Saturday	7:00 a.m. to 5:00 p.m.
Sunday	8:00 a.m. to 12:00 p.m.

Services

BAGGAGE CHECK

Baggage (boat anchors) can be checked for $3.00 per claim. The Baggage Check Room is located across the hall from Forum Room 3, just inside Conference Center entrance (Door #6) on the left. All items must be reclaimed by closing time each day. No overnight storage is permitted. Time is extended to 3:00 p.m. on Sunday.

BANKING SERVICES

Local banks are located near the former Salem Mall area. (See map on page 42.) An ATM is located to the right of Hara Arena's front door and opposite booth 483 (See map on pages18-19.)

DARA BOOTH/ MEMBERSHIP

The DARA Booth is located in the lobby of Hara Arena. Programs are available. DARA membership is located inside of Door 1 (Map 18-19).

EMERGENCY MEDICAL CARE

On-site Emergency Medical Services are located to the right of the Conference Center Entrance. See the Inside Exhibits Map on Pages 18-19.

Emergency care is also available from the following:

Doctors' Urgent Care
5915 N. Main Street, (937) 278-3826
8:30 a.m. - 10:00 p.m.

From Hara Arena: take Shiloh Springs east to traffic light at Main St. Turn left to second building on left.

Good Samaritan Hospital
2222 Philadelphia Dr., (937) 734-2612

From Hara Arena: take Wolf Road to Salem Ave. Turn left, proceed to the traffic light at Philadelphia. Follow signs to ER Entrance.

LOST & FOUND

The DARA Booth, located in the Hara Arena Lobby, will accept lost items. Items can be retrieved at this location the day the item was lost. To retrieve lost items later, please go to Hara Arena Box Office.

MESSAGE CENTER

Leave a message for your friends by submitting their call sign and message at the DARA Booth in the Hara Arena lobby. Prize monitors throughout the arena complex will periodically list "message holding" by call sign.

LICENSE EXAMS

Technician, General and Extra Class Amateur license exams will be given at Hara Arena on Friday, May, 17 starting at Noon until 6 p.m. and Saturday, May, 18 starting at 9:30 a.m. until noon and 1:30 p.m. until 5 p.m.

Exams will be given on a first-come, first-served basis. No pre-registration is available unless special testing accommodation is required. Large print exams will be available at the regular test sessions. If you need your exam read to you or you cannot climb a flight of steps, please email: exams@hamvention.org and let us know how we can accommodate you and which session you would like to attend. There is no fee for these exams.

Each applicant must have the following:

1. The original current amateur radio license (to show us and a copy for to file, if any).
2. The original and a copy of any CSCE or other paperwork which will be submitted for credit.
3. A government issued photo ID (i.e. driver's license)

SHIPPING SERVICE

The UPS Store offers freight service from the floor of Hamvention, near the North Hall entrance (Door #20) Booths 165 & 166. See map on Pages 18-19. Hours are as follows:

Friday	9:00 a.m. - 6:00 p.m.
Saturday	9:00 a.m. - 5:00 p.m.
Sunday	9:00 a.m. - 1:00 p.m.

SPECIAL EVENT STATION

Hamvention will broadcast to the world via the Special Event Station, W8BI, in the Ball Arena. The station will be operating during the hours of the inside exhibit area. Frequencies (+/- QRM) will be:

40M - 7.050 / 7.227
20M - 14.050/ 14.270
10M - 28.050/ 28.470
443.775/448.775 ILRP Node 4267

Times 9:00 a.m.-6:00 p.m. EDT Friday & Saturday and 9:00 a.m.-11:00 a.m. EDT Sunday. CW will be tried on the hour as conditions permit. The station will have a paddles for CW. The special event station will be utilizing TEN-TEC Omni VII radios this year.

For QSLs and certificates, please provide self-addressed and stamped 8x11 envelope addressed to:

DARA/W8BI
PO Box 44
Dayton, OH 45401.

TALK-IN FREQUENCIES

For directions and assistance in the Dayton area during your visit to Hamvention, contact "Talk-In" on the DARA Repeater 146.94 (-) with a backup frequency of 146.64(-). Dayton hams also monitor 223.94 (-) and 442.1 (+).

Transportation & Parking

FREE PARKING & BUS SERVICE

Satellite Parking - at the former Salem Mall located at the corner of Shiloh Springs Road and Salem Avenue. Bus Service (Handicap Equiped) is provided to and from Hamvention. Buses run continuously starting at 7:00 a.m. and complete their routes as quickly as possible. Due to changing traffic patterns and bus loads, an exact bus schedule is impossible. 3-day passes will be available on Friday for $8. 2-day passes will be available on Saturday for $6. A Sunday only 1-day pass will be available on Sunday for $4. Bus tickets may only be purchased at the Salem Mall parking area under the Bus Tickets Sales tent and cannot be purchased at Hara Arena. Keep your bus ticket, as there is no limit on the times you may ride the bus per day.

PAID PARKING

Hamvention has no paid parking available at the Arena. The only Hamvention sponsored parking is the former Salem Mall parking lot with bus service. There is adjacent parking available from private parties near the HARA but these are not controlled by Hamvention.

TRUCK & TRAILER PARKING

Semi-trucks and/or trailers, other over-sized vehicles and large self-contained vehicles can park in designated areas at the former Salem Mall located at the corner of Shiloh Springs Road and Salem Avenue. No overnight parking or camping is permitted. All vehicles must be removed by 9 p.m. each night. The Trotwood police department will enforce the no overnight parking rule.

CAMPER PARKING

Campers, trailers, self-contained vehicles, or vehicles that require more than one space can park at the former Salem Mall located at the corner of Shiloh Springs Road and Salem Avenue. From there you may take the bus to Hara Arena. 3-day passes will be available on Friday for $8. 2-day passes will be available on Saturday for $6. A Sunday only 1-day pass will be available on Sunday for $4. No overnight camping is allowed in the former Salem Mall parking lot.

TEMPORARY LOADING PASS

A temporary loading pass may only be obtained from the guard at Entrance 1 during the show (see map on Page 23). This restricted loading pass will be valid for 20 minutes and will allow you to use a designated area to load and unload equipment, or to pick up your exhibitor packet at the Exhibits Office. These passes will be time stamped and must be given to the guard at the exit when you leave.

Future Hamvention® Dates

May 16, 17, & 18, 2014
May 15, 16, & 17, 2015
May 20, 21, & 22, 2016

Scootaround
Mobility Product Rentals

SCOOTERS

Arrangements may be made by contacting Scootaround Inc. toll-free at 1-888-441-7575, by email at info@scootaround.com, through their website at www.scootaround.com, or by fax at (204) 478-1172. Rental rate is $165.00 based on a three-day period. Equipment will be available on site based on availability for $65.00 a day. Advance reservations are encouraged. To pick up your scooter, please go to Door 26, see map on Pages 18-19.

TAXI INFORMATION

Miami Liberty Cab	937-222-2822
Checker Cab	937-222-4011
Antons	937-252-4756
Air City Cab	937-252-4444

ADA PARKING

Hamvention does not have any public parking immediately at HARA Arena; however, it has been our desire and policy for many years to accommodate those individuals with special needs. We are very sensitive to those needs and have gone well beyond all regulations to secure (at extra cost to Hamvention) a limited number of spaces for these needs. Unfortunately, the demand for ADA/Handicapped parking continues to grow dramatically each year, and we simply are unable to accommodate everyone who requests a space.

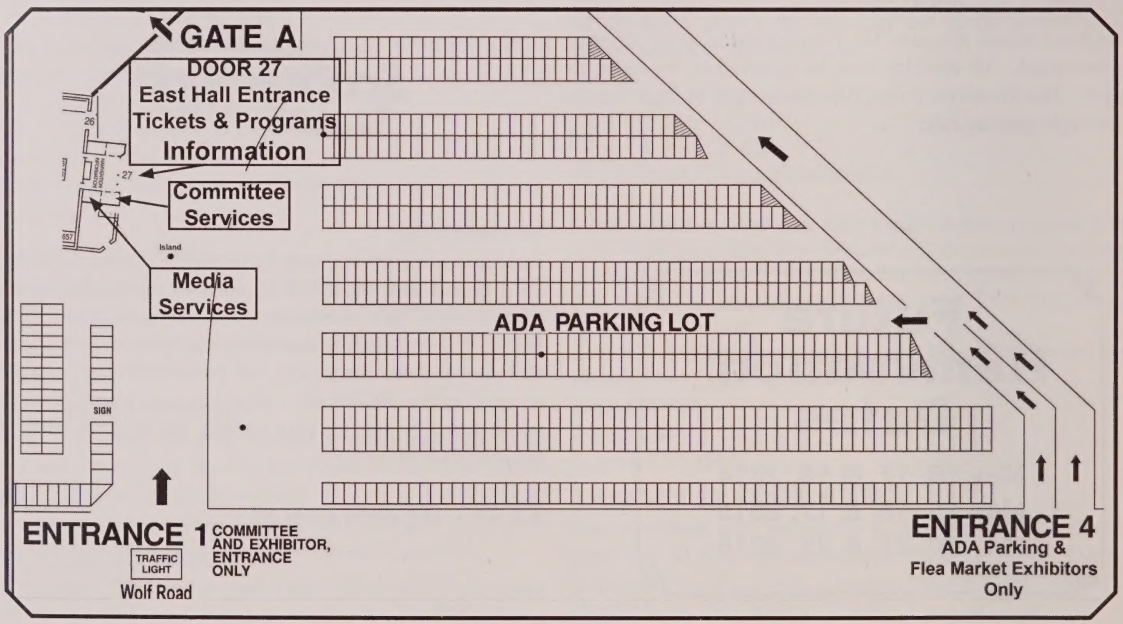
Therefore, as in past years, we require that you send with your ticket request a copy of your State Issued ADA Parking Certificate and registration, along with an SASE, and we will process your request in the order in which it is received. Please remember, there are a very limited number of ADA/Handicapped parking spaces available, so get your request in early.

We have set aside 20 "Reserved" ADA Parking spaces for those individuals who were unaware of/or choose not to follow our recommendation to register early. Please understand if you choose to wait and just come to the show, the probability that you will find no ADA/Handicapped spaces available is extremely high.

Again, we STRONGLY urge you to send in your request early and in advance of the show.

The ADA parking fees remain the same as last year: $8.00 per day per car and $25.00 per day for campers, etc, payable at the gate. (Please note: Overnight campers, etc., are not permitted at Hara Arena.)

Please note: The buses running from Remote Parking to Hara Arena front entrance are ADA equipped.



Committee and Exhibitor Only Entrance
No left turn allowed from East Bound Traffic on Shiloh Springs
Enter from Wolf Road or West Bound Shiloh Springs

GREETINGS

From the Office of the Mayor
The City of Dayton, Ohio
Gary Leitzell
Mayor of the City of Dayton
Hamvention
May 17-19, 2013

On behalf of the City of Dayton, I am pleased to welcome the members of Hamvention to Dayton, Ohio.

While we understand your focus during this event is to foster old friendships and develop new relationships, we also hope you will find the time to learn about our city.

Dayton is home to the Wright Brothers and the "Birthplace of Aviation;" therefore, it is only natural that many of our attractions would feature our aviation heritage. You can learn about the history of flight by visiting the Dayton Aviation Heritage National Historical Park, the Aviation Trail and the United States Air Force Museum, just to name a few.

I extend my very best wishes for a rewarding and memorable event in 2013 and beyond.

Sincerely,

Gary Leitzell
Mayor

TROTWOOD
Together We Are Creating a Bright Future

3035 Olive Road * Trotwood, Ohio 45426-2600
Phone: (937) 837-7771 * Fax: (937) 854-0574
www.trotwood.org

Michael J. Luebbe, City Manager

Trotwood City Council
Joyce Sutton Cameron, Mayor
Ray Hankins, Vice-Mayor, Ward 2
Barbara J. Staggs, At-Large
Bruce D. Kettelle, At-Large
Nicole Johnson, Ward 1
Ron Vaughn, Ward 3
Mary A. McDonald, Ward 4
Sandy Ringe, CMC Clerk of Council

Greetings
from the Office of the Mayor
City of Trotwood, Ohio
Joyce S. Cameron

To all attendees of Hamvention
May 17-19, 2013

On behalf of the City of Trotwood, Ohio, I am pleased to extend Greetings and a warm Welcome to members of Hamvention to Trotwood, Ohio and the Greater Dayton area. The city of Trotwood and Dayton are very proud of this event and Hara Arena as its venue for well over 37 years.

Trotwood and Dayton are partners in its focus during this event to foster old friendships and develop new relationships. Come and enjoy the many attractions to be found in the region.

I extend my very best wishes to you for a regarding and memorable event in 2013 and beyond.

Sincerely,

Mayor Joyce Sutton Cameron
City of Trotwood, Ohio

MONTGOMERY COUNTY

MONTGOMERY COUNTY
ADMINISTRATION BUILDING

451 West Third Street
P.O. Box 972
Dayton, Ohio 45422-1110

COUNTY COMMISSIONERS
Judy Dodge
Dan Foley
Deborah A. Lieberman

COUNTY ADMINISTRATOR
Joseph P. Tuss

Greetings To:

All Participants of the
Dayton Hamvention
May 17-19, 2013

As Commissioners of Montgomery County, we would like to welcome you to our region for participation in the Dayton Hamvention Convention. We believe the offerings of Dayton and Montgomery County will be enjoyable for you and, most importantly, all the attendees of your convention.

As you will discover, this area is rich in heritage, history, culture, and diversity. Our fine museums, attractions, shopping, and dining establishments will undoubtedly prove their outstanding reputations to you during your stay.

While you travel about the Dayton region, we believe you will realize the many advantages of selecting this area for your event. We stand ready to support all of your efforts and are certain you will find equal enthusiasm from our Convention & Visitors Bureau as well as the entire hospitality community.

Again, we welcome you to Dayton/Montgomery County and look forward to your return visit.

Sincerely,

Dan Foley
Commission President

Deborah A. Lieberman
Commissioner

Judy Dodge
Commissioner

Hamvention® Phone Numbers

Emergency (937) 276-6930

Inside Exhibits (937) 276-6931

Flea Market (937) 276-6932

Comments Invited!

Comments on your experiences at the Dayton Hamvention® should be addressed to the following:

General Chairman
Dayton Hamvention®
P.O. Box 964
Dayton, Ohio 45401-0964

DARA Club House Expansion

DARA Flagship Communication Truck

Multi-Day Events

QRP Amateur Radio Club International

"Four Days In May" – FDIM 2013, a convention for QRPers, home constructors, experimenters and backpackers
Venue: Holiday Inn, Fairborn, OH
Schedule:
Wednesday 15 May
7.30 a.m. Registration and social
Thursday 16 May
8.00 a.m. to 4.30 p.m. A day of Seminars
4.30 p.m. The annual Buildathon
8.00 p.m. Vendor evening
Friday 17 May
8.00 p.m. Home-construction contest
8.00pm Vendor evening
Saturday 18 May
7.30 p.m. Grand Banquet, Raffle, Prize Draws and QRP Hall of Fame induction
Website: www.fdim.qrparci.org Enquiries to: fdim@qrparci.org

2013 Contest Super Suite

Wednesday, May 15 thru Saturday, May 18, 2013
7 p.m. - 2 a.m. Each night
Crowne Plaza, Dayton OH
2nd floor – Harding (old Miami) Ballroom

Free Pizza Party every night!
We welcome all contesters and DXers
Cash bar available
http://contestsupersuite.com

Hams on Twitter Meetup

Do you extend your Ham Radio Activities to Twitter? Want to put a face to those tweets and voices from the #HamTwitNet? @HAMTWITNET will be sponsoring several meet, greet and tweets at Hamvention 2013. We want to gather hams that tweet to meet each other, discuss social media and to provide a common hashtag to update those that cannot be at Hamvention in person.

If you'd like to meet fellow hams you've gotten to know on Twitter, or interested in learning more about Twitter, we will meet on Friday, Saturday, and Sunday at 11am at the Hamvention Loading Dock area. It is located just to the east of the North Hall Entrance. See the Hamvention Inside Exhibits Map.

For those of you on Twitter, we will be providing updates via the hashtag #Hamvention for general tweets and #HamTwitNet for tweets directly related to the net and the meet and greet.

Please visit http://www.hamtwit.net or email Scott Johnston, KD4EBL@arrl.net, @KD4EBL on Twitter or follow us @HAMTwitNet for more details.

Amateur Satellite Demonstrations (all day)

Amateur Satellite operation demonstrations will be held outside the Ball Arena entrance. AMSAT will be demonstrating actual contacts with the operational amateur satellites every day. We especially want to invite youngsters to make a contact via an amateur satellite. All are invited to observe, participate and ask questions. Satellite pass times will be posted at the AMSAT booth (444) and in the demo area.

Dayton D-STAR Repeaters:
147.105+ W8RTL^^C and
443.0500+ W8RTL^^B. Excellent handheld coverage at HARA and all of Dayton.

145.270- W8HEQ^^C and
444-0875+ W8HEQ^^B. (In northeast suburb of Huber Heights) Recommend high power with hand held outdoors at Hamvention® HARA Arena.

Analog Repeaters
Good coverage analog repeaters are:
146.940- Tone 123 Hamvention® Talk-In
146.910- Hamvention® Talk-In backup frequency
146.640- Tone 123 Skywarn Weather
145.110- Tone 67 ARES
146.820- Tone 77 Good coverage Dayton area
147.360+ Tone 77 Good coverage Dayton area
442.100+ Tone 123 Good coverage Dayton area
442.925+ Tone 123 Excellent coverage Dayton area
442.950+ Tone 118.8 Huber Heights

Friday

D-STAR InfoCon 2013 – D-STAR training

D-STAR's premier training event returns to Dayton Hamvention 2013 with an all new class for those just getting started in D-STAR and those looking to add to their D-STAR experience. The class will be given by the experienced instructors of the Georgia D-STAR group who have presented seminars and training across the country. The three-hour class begins at 8:00am on Friday, May 17, on the first day of the Dayton Hamvention 2013 and will be held at the Drury Inn in the heart of the Hamvention hotels at 6616 Miller Lane. The cost of the class is only $15.00. For more information and to register go to http://www.dstarinfo.com/d-star-infocon--dayton-hamvention-2013.aspx.
8:00-11:00am Drury Inn Ballroom, 6616 Miller Lane, Dayton, OH 45414.

AMSAT Demonstrations (all day)

Amateur Satellite operation demonstrations will be held outside the Ball Arena entrance. AMSAT will be demonstrating actual contacts with the operational amateur satellites every day. We especially want to invite youngsters to make a contact via an amateur satellite. All are invited to observe, participate and ask questions. Satellite pass times will be posted at the AMSAT booth (433-435, 444-446) and in the demo area.

Friday Night D-STAR

All D-STAR enthusiasts will want to attend and hear the latest D-STAR news, meet the D-STAR experts, see live demos of D-STAR equipment and applications. Meet the faces behind your D-STAR contacts from across the country and around the world. See the latest equipment and see and hear what's new and what's coming to D-STAR. Light refreshments will be served.
7:00-9:00pm Drury Inn Ballroom, 6616 Miller Lane, Dayton, OH 45414

Hams on Twitter/ Social Media Meetup/Tweetup

Do you extend your Ham Radio activities to Twitter? Want to put a face to those tweets and voices from the #HamTwitNet? @HAMTWITNET will be sponsoring several meet, greet and tweets at Hamvention. We want to gather Hams that tweet or use other forms of social media to meet each other, discuss social media and to provide a common hashtag to update those that cannot be at Hamvention in person.
If you'd like to meet fellow Hams you've gotten to know on Twitter, or interested in learning more about, we will be meeting on Friday and Saturday at 11:00 a.m.-11:30 a.m. at the main Hamvention Loading Dock area. It is located just to the east of the North Hall Entrance. See the Hamvention Inside Exhibits Map. For those of you on Twitter, we will be providing updates via the hashtag #Hamvention for general tweets and #HamTwitNet for tweets directly related to the net and the meet and greet. Please visit http://www.hamtwit.net or email Scott Johnston, KD4EBL@arrl.net, @KD4EBL on Twitter, or follow us @HAMTwitNet for more details.

Balloon Launch

On Friday afternoon, a weather balloon carrying amateur radio (BalloonSat) will be launched from the grounds of the Dayton Hamvention following the BalloonSat Forum. Liftoff is expected at 5:30p.m. The balloon will carry a Slow-Scan TV transmitter using Scotty II format on 144.390 MHz. The balloon should reach a peak altitude of 100,000 feet and will then parachute back to Earth. Onboard video recorders will record an aerial view of the Dayton Hamvention during the ascent and will provide amazing views from the very edge of Space that will show the blackness of Space and the curve of the Earth. See the Hamvention web site for pictures from the 2011 flight.

SWODXA DX DINNER

The SouthWest Ohio DX Association (SWODXA) is pleased to announce that we will again sponsor the DX Dinner™, held in conjunction with the 2013 Dayton Hamvention.
This, our 28th annual dinner, will be on Friday, May 17th, 2013, at the Dayton Marriott, 1414 S. Patterson Blvd., Dayton, OH 45409. There will be a cash bar starting at 5:30 p.m., with dinner served at 7:00.

Following the meal, there will be a separate room and cash bar available for more fellowship. This is an excellent opportunity to meet new hams, and renew old acquaintances, as well as learn about past DXpeditions and those in the planning stages.
The Marriott is very accommodating to a group our

size. The dining room is on the ground floor so there are no steps, the dining room is very large, and there is ample free, on-site parking.

This dinner is always well attended by some of the most avid DXers in the world. As in the past, there will be some major door prizes, and there is always great anticipation as to who will be named the "DXpedition of the Year™" and the "DXpeditioner of the Year™".

Details and dinner reservation information can be found on the SWODXA Events website www.swodxaevents.org. From there, click on the DX Dinner™ icon. You can print the reservation form and submit it with your personal check or money order. We are also accepting PayPal and credit card payments.

Program details and a list of the prizes will be on the website as they become available and updates will be sent out regularly via Twitter. Check out our Facebook page at "Southwest Ohio DX Association", or follow us on Twitter - @SWODXA

24rd Annual TopBand Dinner

Crowne Plaza Hotel downtown Dayton– Presidential Ballroom
6:15 PM social hour
7:30 PM Dinner
Dinner programs by Tree, N6TR and Bob, K3UL
TopBand hospitality
Reservations in advance – limited seating
Please go to http://topbanddinner.com for tickets and information

ATV Dinner

The ATV Friday night dinner and discussion will be held on from 7:00 p.m.-10:00 p.m. at Roush's Restaurant, 305 W Main St. in Fairborn, OH 45324 (at the north end of Wright-Patterson AFB). The dinner menu is varied, moderately priced and ordered separately. We will enjoy a sit down dinner then have speakers talk about various ATV topics with door prizes for those present. The meeting terminates at about 10:00 p.m.

AMSAT/TAPR Banquet

The seventh annual AMSAT/TAPR Banquet will be held on Friday night, May 17. This dinner is always a highlight of the AMSAT and TAPR activities during the Dayton Hamvention. This year's speaker will be Bruce Perens, K6BP, with a humorous history of technology evangelism: "The Evangelist's Dilemma: Driving New Ideas With Nothing But Words." As you can imagine, when you're promoting new ideas, there are things that inevitably go wrong. Bruce will pull examples from his history with Open Source, No-Code, Software Freedom, Codec2, and Open Hardware, and he'll introduce a few of the new battle grounds. Tickets ($30 each) must be purchased online in advance on the AMSAT website at www.amsat.org. Tickets will not be sold at the Hamvention or at the door. Tickets purchased online may be collected at the AMSAT booth (433-435, 444-446). The Banquet will take place at the Kohler Presidential Banquet Center, 4572 Presidential Way, Kettering, OH 45429 (just south of Dayton).

Contest Super Suite

7:00 p.m. - 2:00 a.m. each night Wednesday, May 15 thru Saturday, May 18, 2013 Crowne Plaza, Dayton, OH 2nd floor – Harding, McKinley, Garfield and Harrison rooms. Free pizza parties all four nights! We welcome all contesters and DXers Cash Bar available, http://contestsupersuite.com Wednesday, May 15, Contest University registration from 8:00 p.m. to 10:00 p.m. 10:30 p.m. Pizza Party sponsored by Contest University 2013. Thursday, May 16, 10:30 p.m. Pizza Party sponsored by K8CC, K3WW and K3LR. Friday, May 17 10:30 p.m. Spurious Emission Band performs live in the Super Suite. 11:00 p.m. Pizza Party sponsored by the Potomac Valley Radio Club. Saturday, May 18, 11:00 p.m. Pizza Party Sponsored by the Yankee Clipper Contest Club.

Friday Night D-Star

7:00 p.m. - 8:00 p.m. Drury Inn Ballroom, 6616 Miller Lane, Dayton, OH 45414. All D-STAR enthusiasts will want to attend and hear the latest D-STAR news, meet the D-STAR experts, see live demos of D-STAR equipment and applications. Meet the faces behind your D-STAR contacts from across the country and around the world. See the latest equipment and see and hear what's new and what's coming to D-STAR. Light refreshments will be served.

One-Day Class for Technician Class

Saturday Activities

Amateur Radio License

Study and get your Technician Class Amateur Radio License right at Hamvention, the same day!

When: Saturday 9:00 a.m. 4:00 p.m.

Where: In the Hallway behind the Main Arena. See the Inside Exhibits map on pages 18 and 19. This is a full day training class for the Technician Class Amateur Radio License. **STUDENTS MUST PRE-ENROLL PRIOR TO CLASS**. Upon enrollment, students will receive a course book, workbook and access to on-line pre-study materials. Everything will be taught in class, along with several exciting demonstrations of amateur radio. Exams will be conducted at the conclusion of class. This leaves time on Sunday to do some last minute radio shopping! Go to http://www.hamclass.net/hamvclass.htm for more details and enrollment information.

Hams on Twitter / Social Media Meetup/ Tweetup

11:00 a.m.-11:30 a.m. Hamvention Loading Dock

AMSAT Demonstration (all day)

Outside Ball Arena Entrance

Amateur Satellite operation demonstrations will be held outside the Ball Arena entrance. AMSAT will be demonstrating actual contacts with the operational amateur satellites every day. We especially want to invite youngsters to make a contact via an amateur satellite. All are invited to observe, participate and ask questions. Satellite pass times will be posted at the AMSAT booth (433-435, 444-446) and in the demo area.

The 21th Annual Dayton Contest Dinner

The North Coast Contesters are proud to announce The 21st Annual Dayton Contest Dinner, 6:30 p.m.-10:30 p.m.

Located at the Crowne Plaza Hotel (Official Contest Hotel) 5th and Jefferson Streets (Next to the Convention Center) Dayton (Downtown), Ohio in the Presidential Ballroom

The Contest Dinner will be held at 6:30 PM. Cash bar opens at 5:30 PM.

Master of Ceremonies for the Dayton Contest Dinner is John Dorr, K1AR. The 2013 CQ Contest Hall of Fame Inductions will be formally announced by the John Dorr, K1AR. The main dinner speaker will be Dr. Robert G. Cox, K3EST.

Seating is random. Tables are set in rounds of 10. Full table reservations are in rounds of 8.

Many contest operators from around the world attend this event. If you enjoy radio contesting, you do not want to amiss this Contest Dinner in Dayton, Ohio.

Tickets are only available on http://www.contestdinner.com There are no tickets available at the door.

Contest Super Suite

7:00 p.m. - 2:00 a.m. each night Wednesday, May 15 thru Saturday, May 18, 2013 Crowne Plaza, Dayton, OH 2nd floor – Harding, McKinley, Garfield and Harrison rooms. Free pizza parties all four nights! We welcome all contesters and DXers Cash Bar available, http://contestsupersuite.com Wednesday, May 15, Contest University registration from 8:00 p.m. to 10:00 p.m. 10:30 p.m. Pizza Party sponsored by Contest University 2013. Thursday, May 16, 10:30 p.m. Pizza Party sponsored by K8CC, K3WW and K3LR. Friday, May 17 10:30 p.m. Spurious Emission Band performs live in the Super Suite. 11:00 p.m. Pizza Party sponsored by the Potomac Valley Radio Club. Saturday, May 18, 11:00 p.m. Pizza Party Sponsored by the Yankee Clipper Contest Club.

Kansas City DX Club Annual CW Pileup Competition

The Kansas City DX Club will host its 34th consecutive Hospitality Suite and CW Pileup Competition on Saturday evening from 8:00 p.m. until Midnight, at the Dayton Crowne Plaza Hotel, 33 East 5th Street Dayton, OH 45402 Suite 525 As usual, great prizes will be awarded...Don't miss out! http://www.kcdxclub.com/index.html

(front row, left to right) Brian Markland, Dave Trich, Stephan Markland, Jim Tiderman, Joe Sheline
(second Row) Jeff Everetts, Mike Buehler, Earl Moreo, Jerry Miller, Susan Jabens, Hazel Everetts, Nancy Krodel, Ross Brown, Henry Raminski, Tom Reynolds, Mel Berman
(third row) Jon Thuermer, Jack Gerbes, Jim Frey, Scott Myers, Charles Kaiser, Mark Mattix, Marvin Force, Dave Sloan, Rob Lunsford
(fourth row) Ron Cramer, Don Dubon, Greg Murphy, Ron Moorfield, Carl Hibbard, Joe Brassard, Bill Weaner, Jerry Body, Gary DesCombes, Jeff DeVoe
(back row) Steve Coy, Bill Curtice, Lee Boeckerman, Mark Tessenner, Tom Holes, Mike Kalter, Josh Long, Dave Crawford, Chuck Wright, Mike Crawford

2013 Dayton Hamvention Committee

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General Chairman Charles Kaiser, KD8JZR
Assistant General Chairman Jim Tiderman, N8IDS
Adviser Lee Boeckerman, W8LFB

Administration	Phone Line / Info Chair Women	Roberts	Shirley N8LX
Administration	Phone Line Assistant Chairman	Roberts	Lynn N8LXK
Administration	Mail / ScootAround	Reynolds	Tom KC8AEU

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Advance Registration	Assistant Chairman	Reynolds	Tom KC8AEU
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Awards	Assistant Chairman	Crawford	Dave KF4KWW
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Booth Tracker	Assistant Chairman	DeVoe	Jeff K8JTD
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Flea Market	Co- Chairman	Tritch	Dave N8YFQ
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Forums	Assistant Chairman	Berman	Mel W8GTR
Golf Carts	Chairman	Buehler	Mike N8XGA
Golf Carts	Assistant Chairman	Sheline	JOE KD8AQH
Inside Exhibits	Chairman	Markland	Stephan KC8EAQ
Inside Exhibits	Assistant Chairman	Markland	Brian N8UDQ
License Exams	Chairman	Sloan	Dave N0EOP
License Exams	Assistant Chairman	Moorefield	Ron W8ILC
Mailing	Chairman	Brassard	Joe KA8C
Mailing	Assistant Chairman	Ebner	Jim N8JE
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Media	Chairman	Ruminski	Henry W8HJR
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MIS	Assistant Chairman	Harris	Chris N8OXC
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Prizes	Assistant Chairman	Hibbard	Carl WD8NHK
Programs & Publications	Chairman	Miller	Jerry WD8QAI
Programs & Publications	Assistant Chairman	Berman	Mel W8GTR
Security	Chairman	Murphy	Greg KB8SWM
Security	Assistant Chairman	Apple	Larry N8MYQ
Special Event Station	Chairman	Bodey	Jerry N8OWV
Special Event Station	Assistant Chairman	Force	Marvin KB8MUV
Talk-In	Chairman	Lunsford	Rob KB8UEY
Talk-In	Assistant Chairman	Gibbs	Rob KD8HSV
Transportation	Chairman	Peterson	David K0DHP
Transportation	Assistant Chairman	Holmes	Tom N8ZM
Visual Information	Chairman	Schoettinger	Jim W8PLZ
Visual Information	Assistant Chairman	Forbes	Dave KD8FO
Webmaster	Chairman	Rieben	Richard KE4WLE
Webmaster	Assistant Chairman	Rieben	Craig W7CLR
International Relation	Chairwomen	Hall	Kelly K1LLY
International Relation	Assistant Chairman	Weaner	Bill KB8BKW
Membership (DARA)	Chairman	Landess	Rick KD8GCM
Membership (DARA)	Assistant Chairman	Cramer	Ron KD8ENJ

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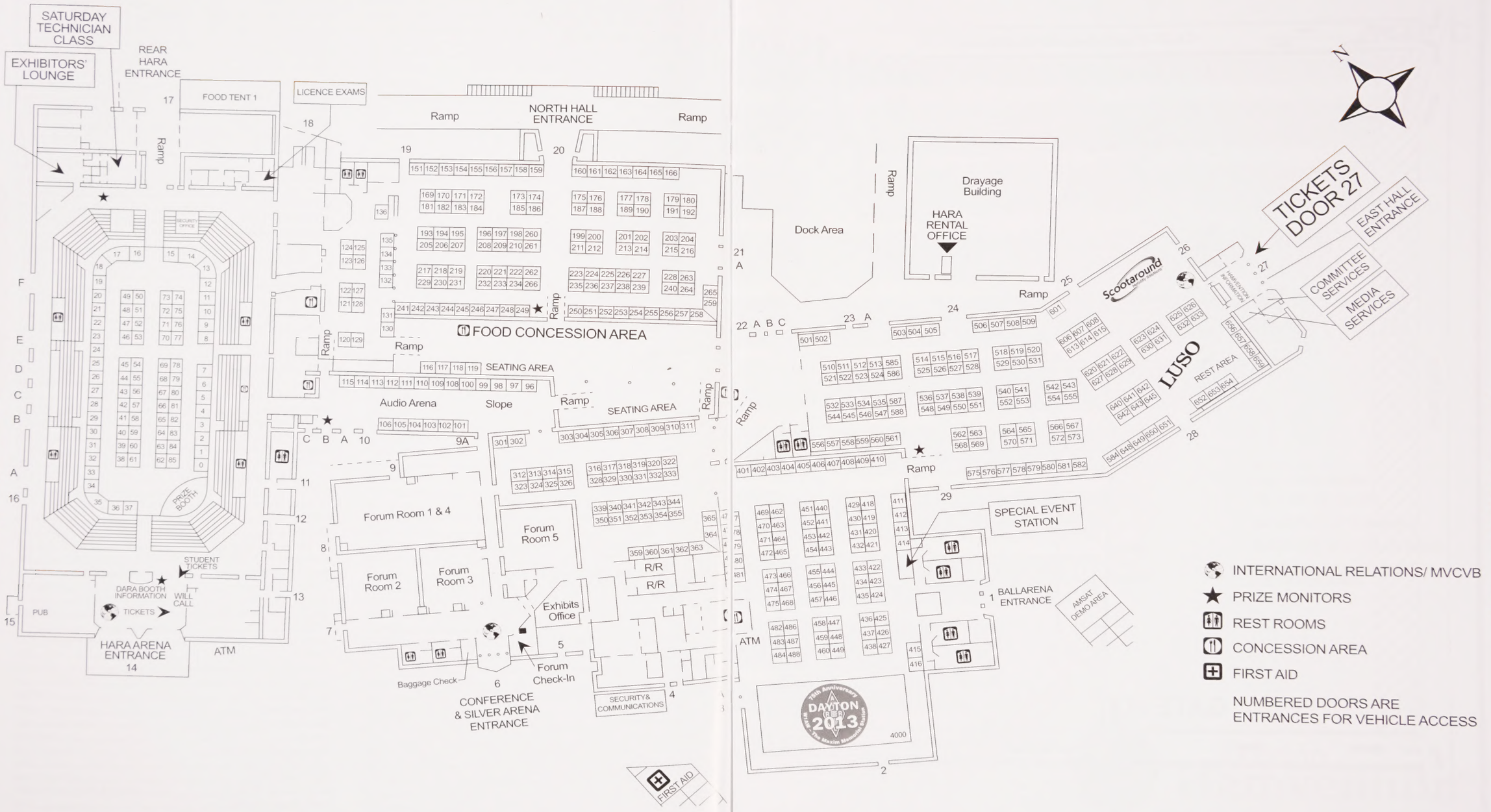

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NUMBERED DOORS ARE ENTRANCES FOR VEHICLE ACCESS

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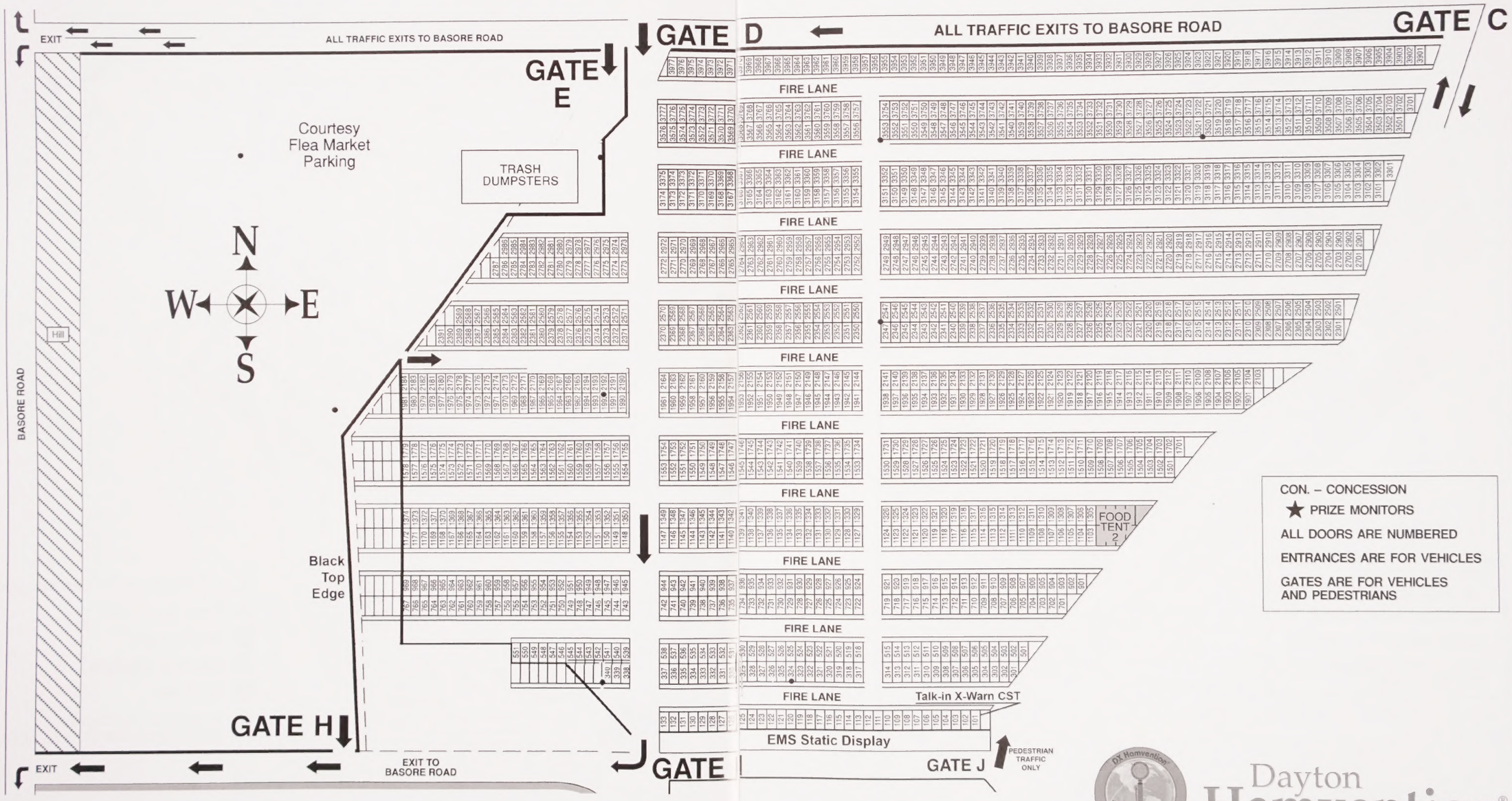
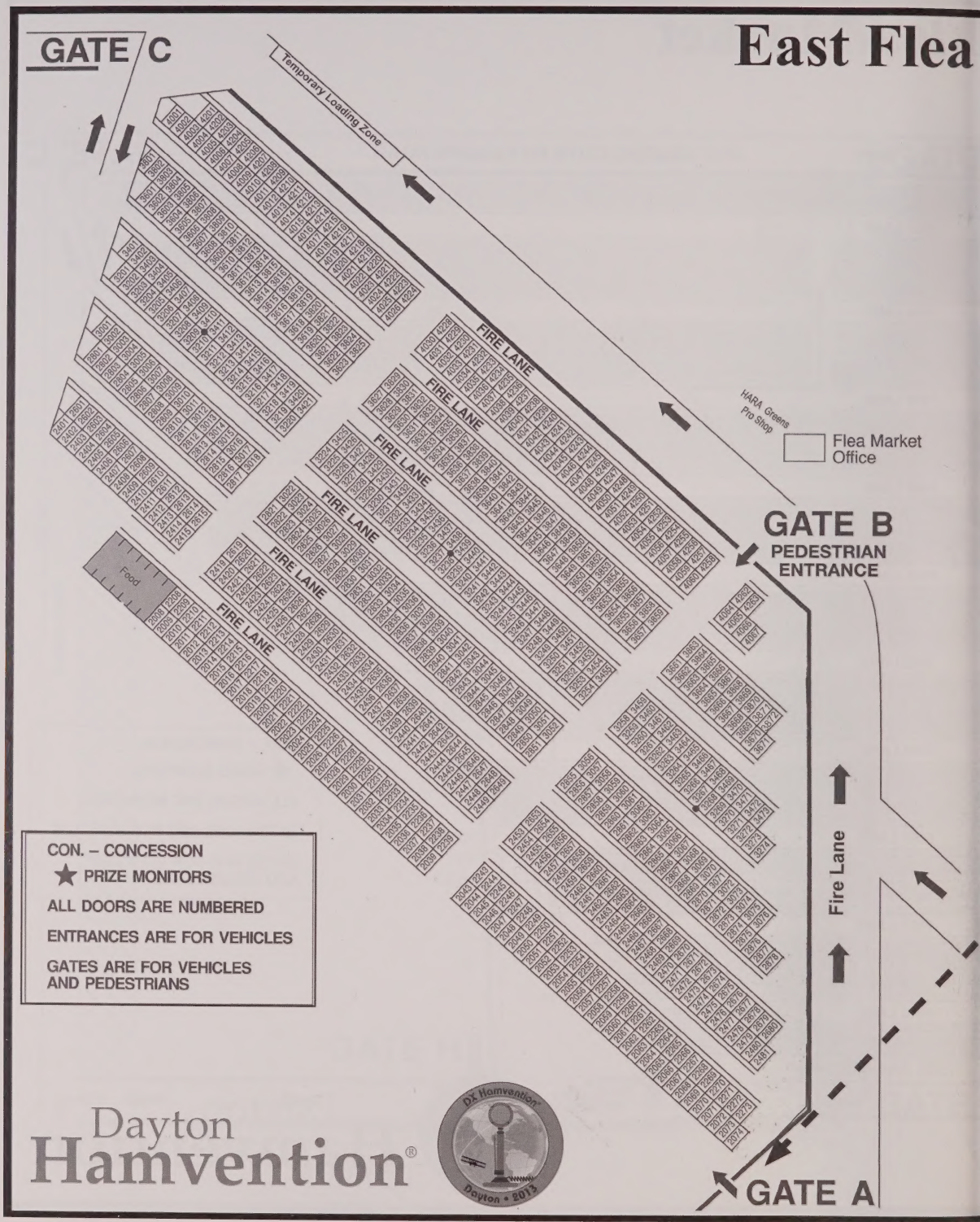


Dayton Hamvention®

DX Hamvention® Dayton 2013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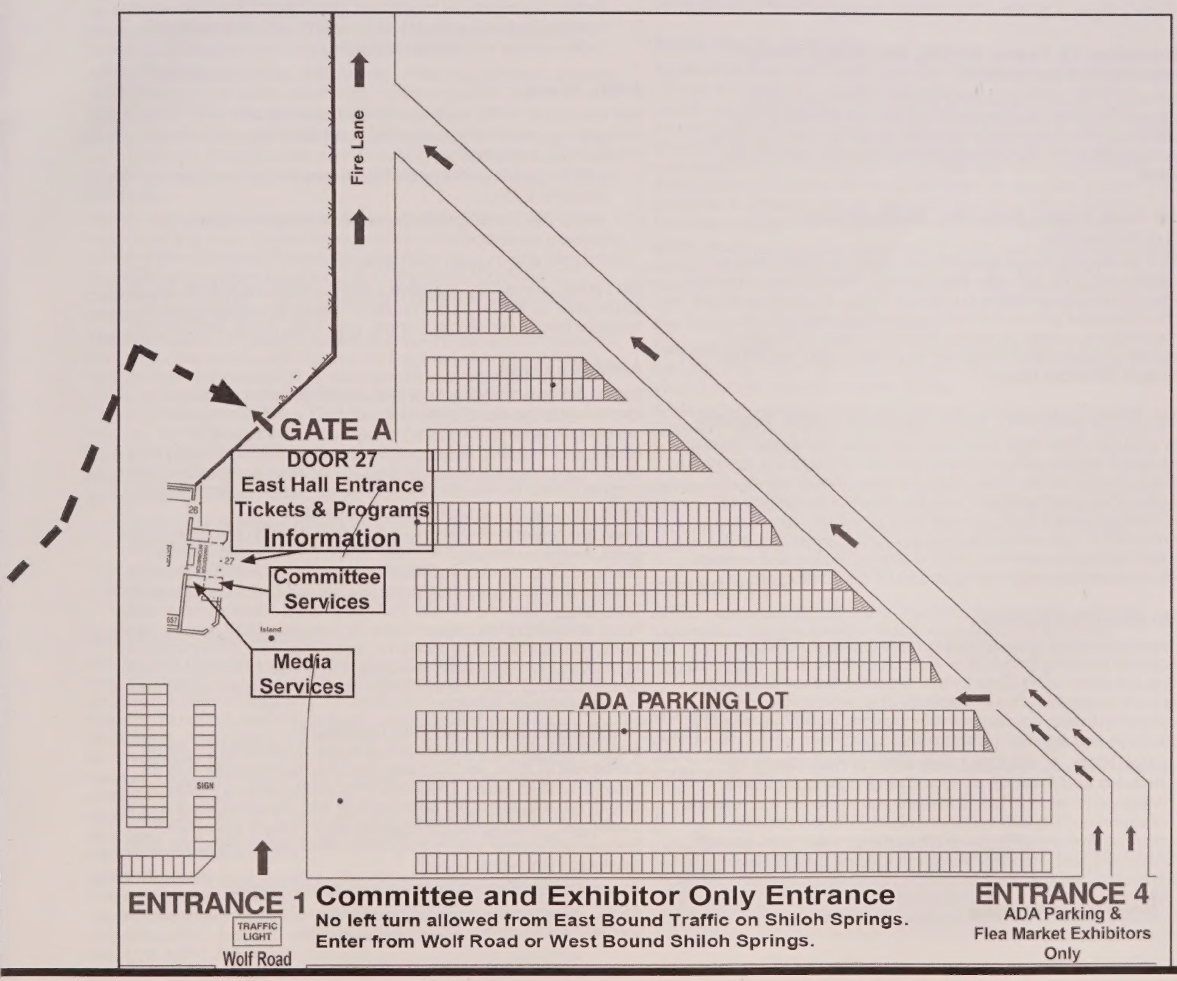
ENTRANCES ARE FOR VEHICLES
GATES ARE FOR VEHICLES AND PEDESTRIANS
Dayton Hamvention®
DX Hamvention Dayton • 2013

Market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Enter from Wolf Road or West Bound Shiloh Springs.
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Flea Market Exhibitors
Only

ARRL Exhibit & Activities Guide
May 17-19, 2013

ARRL EXPO – Welcome!

ARRL, the national association for Amateur Radio, welcomes all members and friends to Dayton Hamvention®. Use this handy guide to find ARRL-sponsored activities, exhibits and program representatives. ARRL EXPO is a large exhibit area located in the Ballarena Hall (near the 400-numbered booths).

Kay C. Craigie, N3KN – ARRL President

Jim Weaver, K8JE – Great Lakes Division Director

Dale Williams, WA8EFK – Vice Director

Frank J. Piper, KI8GW – Ohio Section Manager

Celebrating 75 Years: W1AW, the Hiram Percy Maxim Memorial Station

The world's most famous Amateur Radio station turns 75 in September. Hamvention attendees will enjoy a special W1AW exhibit, including photographs of the station taken over the years. Commemorative W1AW anniversary merchandise will also be available.

NEW! Ham Radio: Gateway to Discovery
(mini presentations)

ARRL Education & Technology Program Director Mark Spencer, WA8SME, and ETP Instructor Matt Severin, N8MS, have organized a series of mini presentations on various topics. If you are a school teacher, instructor, or involved with educational programs or demonstrations – these programs are not to miss! **(A detailed schedule of topics and times will be posted near the ARRL Education Services booth).**

NEW! ARRL Lab: Get Your Handheld Radio Tested!

Does your handheld radio meet FCC Emission Standards? Meet an ARRL Test Engineer and volunteers who will measure the spurious emission of your handie-talkie using a state-of-the-art spectrum analyzer. Does your handheld have the potential to interfere with other radio services? Find out here! You'll also learn about other ways the ARRL Lab serves the Amateur Radio community with technical information services, trusted product testing and reviews, spectrum-protection engineering and its RFI/EMC program.

NEW! Meet the Authors

For nearly a century, radio amateurs have turned to ARRL for publications covering the latest wireless communications technology, training and information. Drop by the "Meet the Author" area for an opportunity to speak with a few authors who are inspiring today's radio experimenters, operators and innovators. Books are available for purchase and signing by these authors:

- **Leigh Klotz, Jr, WA5ZNU**, lead editor of ***Ham Radio for Arduino and PICAXE***. Klotz and other contributors have designed projects to help introduce you to the fun and rewards of experimenting with microcontrollers. With inexpensive microcontroller platforms—such as the popular open-source Arduino board—readily available parts, components and accessory boards, the possibilities are limitless: beacon transmitters, keyers, antenna position control, RTTY and digital mode decoders, waterfall displays, and more.
- **Eric P. Nichols, KL7AJ**, author of ***Radio Science for the Radio Amateur***. Nichols guides you through some of the most fascinating "nooks and crannies" of the radio universe. Find out how you can make a meaningful contribution to science and technology as a ham radio operator, regardless of your experience and resources.
- **Don Keith, N4KC**, author of ***Riding the Shortwaves: Exploring the Magic of Amateur Radio***. This book is filled with dozens of reasons to join the ranks of Amateur Radio enthusiasts. Keith's entertaining and informative style presents today's ham radio as bigger and more vibrant than ever: digital communications, software-defined and computer controlled radios, space technology and more!

ARRL Store

Visit the HUGE ARRL bookstore to purchase popular ARRL publications, join or renew your ARRL membership, and pick up official ARRL merchandise.

- FREE Gift when you join ARRL or renew your membership at ARRL EXPO.
- FREE ***2013 ARRL Handbook*** when you join or renew for 3 years. Best Deal!
- FREE ARRL Dayton 2013 Button!

2013 ARRL Field Day Supplies – ARRL Field Day is June 22-23, 2013. Gear up for the most popular on-the-air operating event in Amateur Radio. Get official T-shirts, pins, hats, mugs, and posters.

ARRL Exhibits...

Digital Edition of *QST* – Last year, all ARRL members were introduced to the new digital edition of *QST*—ARRL's popular membership journal. The new online format offers several advantages including enhanced content, convenient access, and a more interactive experience. Enjoy *QST* on your laptop, iPad, tablet, or other mobile device. Drop by this exhibit to see a demonstration!

ARRL Development and ARRL Foundation
www.arrl.org/donate-to-arrl – Learn how you can help strengthen ARRL's work on behalf of Amateur Radio by participating in the Diamond Club, earning your way to the prestigious ARRL Maxim Society, contributing to the Spectrum Defense Fund, the Education & Technology Fund, the W1AW Endowment, the Historic Preservation Fund, and joining the Legacy Circle by including ARRL in your estate plans. Information will be available about The ARRL Foundation and its more than 75 annual scholarships and grants for Amateur Radio groups working to promote Amateur Radio and involve young people in Amateur Radio activities.

NEW! ARRL Second Century Campaign
www.arrl.org/scc – As members prepare to celebrate the ARRL Centennial in 2014, we must also prepare the organization for its second hundred years. The world of Amateur Radio is rapidly changing—and ARRL will be faced with new technologies and new challenges. Learn about opportunities to contribute to the ARRL Endowment to help ensure that ARRL will be there to support radio amateurs in the years ahead.

TravelPlus for Repeaters™ software demonstration.

ARRL Volunteer Examiner Coordinator – Amateur Radio Service licensing forms, testing information and more.

Emergency Communications & Public Service – Meet with program representatives for the Amateur Radio Emergency Service (ARES®) and the National Traffic System (NTS). Learn about opportunities to volunteer, and explore resources and training. Network with other public service volunteers.

ARRL Education Services – See displays of ARRL Education & Technology Program (ETP) kits, projects, and other resources available to schools and teachers. Obtain information about the Teachers Institute on Wireless Technology, Amateur Radio on the International Space Station (ARISS) and Amateur Radio licensing instruction.

Ham Radio and Scouting – Ham radio and Scouting are a perfect pair! Hear from active Scouts and Scout leaders about resources, programs and activities to interest Boy Scouts, Cub Scouts, Venturers and Girl Scouts in Amateur Radio.

NEW! 2014 ARRL Centennial – Plan to participate in the celebration as ARRL members prepare for the organization's 100th year in 2014. The Centennial will be filled with many special events and programs including the ARRL National Centennial Convention in Hartford, Connecticut, July 17-19, 2014. Learn more about the yearlong celebration from ARRL representatives.

ARRL Field Organization Volunteers – Visit this gathering area for ARRL Field Organization networking, hosted by ARRL Section Manager for Ohio, Frank Piper, KI8GW.

ARRL Visa® Card (U.S. Bank) – Apply for the ARRL Visa card and earn a free gift. Earn benefits that Keep You on the Air! Already have a card? Bring some current receipts and your ARRL VISA card to get a free gift.

Equipment and Club Liability Insurance Programs – ARRL has been providing opportunities for equipment insurance to its members for more than 25 years. A representative from Hays Affinity Group will be available to answer questions about the ARRL-sponsored Equipment Insurance and Club Liability Insurance plans. Enroll online at **ARRLinsurance.com**

The International Amateur Radio Union – National radio societies throughout the world work together for the good of Amateur Radio through their global federation, the International Amateur Radio Union (IARU). Meet IARU officials including President Tim Ellam, VE6SH; President Emeritus Larry Price, W4RA; Secretary Rod Stafford, W6ROD, and Peter Chadwick, G3RZP--Technical Consultant and ITU-R Study Group 1 delegate.

Meet representatives from the following national Amateur Radio societies in the ARRL EXPO exhibit area.

- **Deutscher Amateur Radio Club (DARC)** – Germany
- **Japan Amateur Radio League (JARL)**
- **Qatar Amateur Radio Society (QARS)**
- **Radio Society of Great Britain (RSGB)** – United Kingdom

Radiosport and DXCC

DXCC Card Checking – Personnel from the ARRL DXCC Branch and volunteer Card Checkers will be on hand to check applications for all ARRL Award Programs. All cards will be eligible for checking, including old cards, cards for deleted countries and cards for 160-Meters. Applications will be limited to 101 cards (more cards will be checked as time and volunteer Card Checkers are available). See **www.arrl.org/awards/dxcc** for the latest program information and current forms. Use the new online DXCC tool and save half on your application! Remember to bring with you to Dayton a printout of your application, card list, and your cards in the order in which they are entered into the Online DXCC.

ARRL Contests and Awards – On-air competitions and award-hunting are great activities of Amateur Radio. These are effective ways to boost your technical knowledge and improve your radio operating skills—helping make you a better radio amateur. Ask us about the ARRL Award Program and upcoming ARRL Contests. VHF/UHF Century club (VUCC) and Worked All States (WAS) award applications may also be checked at Dayton.

QSL Bureau – ARRL members are invited to drop off their QSL cards to be sent through the ARRL Outgoing QSL Bureau (QSLs going to foreign stations; no US-to-US QSLs, please). Save shipping costs by bringing the cards to Dayton; the ARRL will transport your cards to the Outgoing Bureau at ARRL Headquarters. In order to take advantage of this exciting benefit, all of the standard QSL Bureau rules must be followed: Cards must be sorted by DXCC country, they must go to countries where a bureau exists and you must be an ARRL member to use the Outgoing QSL Bureau. Cards do not have to be boxed, but should be wrapped with rubber bands.

Japan Amateur Radio League Awards – JARL representatives Hiro Tamama, JA1SLS and Shige Aoki, JR1UTH will be checking applications for certain JARL awards (AJD, WAJA, JCC, ADXA, ADXA-Half and Fuji), as well as the IARU's Worked All Continent (WAC) and 5-Band WAC awards at the JARL table within the ARRL EXPO. Amateurs who qualify for these JARL and IARU awards will be issued the certificates right on the spot. Please see the new JARL English-language web pages for fees and more information, **www.jarl.or.jp/English**

ARRL Youth Activities

Youth Activities and Youth Lounge: Drop by the ARRL Youth Lounge to meet and socialize with other young hams. Whether you're 1 or 21, the Youth Lounge is sure to offer something that young hams will enjoy. Come to chat with other hams, grab a snack or participate in one of the many activities, such as fox-hunts, scavenger hunts, Morse code fun, a QSL card designing contest, crafts, prizes and more. Whether or not you're licensed, you're welcome to come by and join the fun! *Special thanks to Megan McClellan, K5MEM, for organizing the ARRL Youth Activities.*

ARRL Youth Calling Frequencies: If you're looking for other youth during the convention, try calling them on the youth calling frequencies: 145.540 MHz (107.2 Hz CTCSS) primary and 146.430 (233.6 Hz CTCSS) secondary. Not licensed yet? Soon-to-be hams can check-in using FRS channel one.

Saturday, ARRL Youth Dinner: Saturday night from 6 to 8 PM at the Little York Tavern & Pizza in Dayton (Vandalia). Visit the ARRL Youth Lounge to confirm dinner details.

Friday, Collegiate/Young Adult Dinner: Calling all college and university students and other young adult hams! Join our gathering to meet and have dinner with other hams like you. Friday night at 7 PM at the Little York Tavern & Pizza in Dayton (Vandalia). RSVPs are welcomed but not required. This dinner is being hosted by the ARRL Committee for Youth in the Second Century and the Virginia Tech Amateur Radio Association, K4KDJ. Questions? Contact Nathaniel Frissell, W2NAF, **nafrissell@vt.edu**.

THANK YOU!

ARRL expresses its gratitude to the 2013 Dayton Hamvention® Committee, Dayton Amateur Radio Association, and all the volunteers that contributed to the success of ARRL EXPO 2013 in Dayton, Ohio.

Upcoming Event

July 17-20, 2014 – Hartford, Connecticut
ARRL National Centennial Convention
ARRL2014.org

Got an idea for next time?
Please contact the office of the
ARRL EXPO Coordinator, email **expo@arrl.org**.

Major Prize Donors ($1000 or more)

Kenwood USA Corporation
Diamond Antenna
American Radio Relay League
SteppIR Antenna Systems
RF Parts
Yaesu Vertex Standard
Dayton Amateur Radio Association
Array Solutions
RF Concepts
Randd Association
US Tower Corp.
Dayton Hamvention
Universal Radio, Inc.
RT Systems

Total prizes this year is estimated in excess of $77,000.00

Prize Donors

Air Chair
ALINCO / GRE America
Alpha Antenna
Amateur Television Network
Array Solutions
B & B Embroidery
Begali Key
Bird Technologies Group
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Midwest VHF / UHF Society
N3ZN Keys LLC
N4PY Software
Nuts & Volts / Servo Magazine
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Peet Brothers Company, Inc.
R & L Electronics
Radio Ware
RF Parts
Project GM
Scootaround Inc.
Signman of Ohio
The RF Connection
West Mountain Radio
Wild Sage Jewelry
Wouxun Electronics

Main Prizes

1	F T - 2000 HF - 6 M	$3,630.00	Yaesu Vertex Standard
2	TX - 455 55' Free Standing Tower	$3,146.00	U S Tower
3	T S - 590S 160 - 6 Meter	$1,789.00	Kenwood U S A Corporation
4	T S - 590S 160 - 6 Meter	$1,789.00	Kenwood U S A Corporation
5	T S - 590S 160 - 6 Meter	$1,789.00	Kenwood U S A Corporation
6	T S - 590S 160 - 6 Meter	$1,789.00	Kenwood U S A Corporation
7	T S - 590S 160 - 6 Meter	$1,789.00	Kenwood U S A Corporation
8	F T - 857D 160 M - 70 CM	$1,424.00	Yaesu Vertex Standard
	V T V – Pro Antenna System		Buddipole
9	IC -7200 HF - 6 M	$1,396.00	Icom America, Inc.
10	F T - 450D HF - 6 M	$1,240.00	Yaesu Vertex Standard
11	StepperIF Gift Certificate	$1,000.00	SteppIR Antenna Systems
Student Main Prize ..... WIFI Radio		$139.00	C. Crane

Forums Schedule

Friday

	Room 1	Room 2	Room 3	Room 5
9:15 am		Homeland Security Training	Radio Soc. of Great Britian 0915-0945	Doing more with Less-the QRP Challenge
9:30 am	TAPR Digital Forum			
9:45 am		John Peterson		
10:00 am				0915-1015
10:15 am	Steve Bible	0915-1045	Instructor's Forum	
10:30 am	0915-1115			iOS & Android Rig Control
10:45 am			Carole Perry	
11:00 am		Foxhunt/ ARDF	1000-1200	Nick Garner
11:15 am				1030-1130
11:30 am	APRS	Dick Arnett		
11:45 am	Bob Bruninga	1100-1200		Kit Building
12:00 pm	1130-1230			Joe Eisenberg
12:15 pm			Ham Radio and the Law: Getting it	
12:30 pm				1145-1245
12:45 pm		Balloon Sat		
1:00 pm	D-Star	Bill Brown	Jim O'Connell	YLRL
1:15 pm	Robin Cutshaw	1215-1415	1215-1345	Doshia Kretke
1:30 pm	1245-1415			1300-1415
1:45 pm				
2:00 pm			Ham Nation	
2:15 pm				
2:30 pm		Using Amateur Radio in the Classroom	Bob Heil Gordon West	Power-line Interference ARRL
2:45 pm				
3:00 pm			1400-1530	Mike Gruber
3:15 pm	Antenna Forum	Matt Severin		1430-1530
3:30 pm		1430-1545		
3:45 pm	Tim Duffy		Advances in Software Defined Radio	Techniques of the Best Operators
4:00 pm	1430-1700	County Hunting		
4:15 pm			Steve Hicks	Tony Pazzola
4:30 pm		Tim Eklin		
4:45 pm		1600-1700	1545-1700	1545-1700
5:00 pm				

Saturday

	Room 1	Room 2	Room 3	Room 5
9:15 am		SATERN	Amateur Radio at the National Hurricane Center	
9:30 am		Peggy McNary		ARRL Member Forum
9:45 am		0915-1015	0915-1015	
10:00 am	Youth Forum			Jim Weaver
10:15 am				0915-1100
10:30 am	Carole Perry	Drake Equipment	Getting Started with Antenna Modeling	
10:45 am	0915-1215	Evan Rolek		
11:00 am		1030-1130	Ward Silver	
11:15 am			1030-1145	
11:30 am				
11:45 am		Ham Radio Town Meeting	RTTY Contesting	AMSAT
12:00 pm			Ed Muns	Alan Biddle
12:15 pm		Bill Pasternak	1200-1300	1115-1330
12:30 pm		Henry Feinberg		
12:45 pm	Contesting	1145-1400	ARRL & FCC on Amateur Radio Enforcement	
1:00 pm	Doug Grant			
1:15 pm	1230-1430		1315-1415	
1:30 pm				SSTV
1:45 pm		Embedded Linux & Micro-Controllers for Ham Radio Projects		Don Miller
2:00 pm				1345-1500
2:15 pm		1415-1515	The ARRL Laboratory	
2:30 pm			Ed Hare	
2:45 pm			1430-1530	
3:00 pm				Joint Service Military Auxiliary Radio System (MARS)
3:15 pm	DX Forum	Fast Scan Amateur Television (ATV)		
3:30 pm	Jay Slough		VHF/UHF/ Microwave	
3:45 pm	1445-1700	Art Towslee	Tom Holmes	Gary Sessums
4:00 pm		1530-1700	1545-1700	1515-1700
4:15 pm				
4:30 pm				
4:45 pm				
5:00 pm				

Sunday

Room 1	Room 2	Room 3	Room 5
DXing with DXLab	Exploring Our World Through Radio	Collecting & Restoring Ham Radios of the Past	
Dave Bernstein	0915-1015	0915-1015	Bicycle Mobile
0915-1015			Mike Nickolaus
			0915-1115
Digital Mobile Radio (DMR)	QCWA	Amateur Radio Emergency Services (ARES)	
1030-1130	Larry McMalvy	1030-1130	
	1030-1130		

Friday, May 17th

9:15 a.m. - 11:15 a.m Room 1

TAPR Digital Forum

Moderator: **Steven Bible, N7HPR**, TAPR President

What has TAPR been up to this past year and what we see on the horizon.

Speakers: **Scotty Cowling, WA2DFI**; Multiple-Personality SDR: FPGAs, Reconfigurability and Unconventional SDR Applications. A Software Defined Radio can be much more than just a conventional transceiver. From CW Skimmer to WSPR beacons, Chirp Radar, Vector Network Analyzers and DSP enhancement of analog radios, SDRs are ubiquitous. From operating to propagation research, building and experimenting, explore SDR as a versatile addition to every modern amateur's arsenal of tools.

Chris Testa, KD2BMH; An update on Whitebox, the hand-held SDR project. Explore the latest in the Whitebox project, an Open Hardware/Software, low power SDR Chris has been working on. See how System-on-a-Chip, or SoC has dawned this revolutionary form factor to create a Maker-style smart software radio device project.

Dennis Rosenauer, AC7FT; Testing Digital Radios. It is often assumed that poor data link performance is due to propagation. This presentation introduces the theory and measurement of the performance of digital radios and RF modems.

Bruce Perens, K6BP; Codec2, FreeDV, and HT of The Future: Wide Open and Digital. A discussion of the current state of Codec2 and FreeDV, digital voice tools that have made great progress on HF, and how we'll bring Open digital voice to VHF/UHF and handhelds.

9:15 a.m. - 10:45 a.m. Room 2

Homeland Security Training

Moderator: **John Peterson, N4KEA** DHS/Office of Emergency Communications Washington, D.C.

Speakers: **Carter Davis, KH6FV** DHS/Office of Emergency Communications Honolulu, HI **Randy Kerr, KD4KHO** DHS/Office of Emergency Communications Cherokee CO. GA **Jason Matthews, K4AUS** DHS/Office of Emergency Communications Orlando, FL

The Department of Homeland Security's(DHS) Office of Emergency Communications (OEC) forum is provided for those individuals and groups who have a passion for public safety communications support, using amateur radio. This includes MARS, ARES, RACES, SATERN, and other amateur radio based groups. Auxiliary Communications (AUXCOMM) services include emergency backup, or supplemental communications support to government or non-government agencies during unexpected emergencies, planned events, or training exercises. We invite you to learn about their nationally recognized, NIMS/ICS compliant, AUXCOMM course and what the future could hold regarding auxiliary communications.

9:15 a.m. - 10:15 a.m Room 5

Doing More with Less

A QRP Forum —Sponsored by QRP ARCI

The year's forum will speak on doing more with less power and simple antennas- the pleasures and challenges of QRP.

Moderator: **Ken Evans, W4DU**, current president of the QRP Amateur Radio, International and has written extensively for the radio hobby press.

Speaker: **Rich Arland, K7SZ**, is a world renowned QRPer having been an active

QRPer for almost 50 years. He has operated QRP from the Azores (CT2BH), Japan (KA2AA), England (G5CSU) and Germany (DA2NE).

9:15 a.m. - 9:45 a.m Room 3

Radio Society of Great Britian
100 years working for the future of Amateur Radio!
Moderator: **Graham Coomber, G0NBI**
Formed in 1913, the RSGB is one of the first national Societies formed. Its members were from the outset pioneers in amateur radio and along with other pioneers from around the world they broke new ground and created the foundations of the hobby we have today. Amateur radio has a very rich history and this lecture will cover the 100 years of the work of the RSGB and the advances made, alongside a look at the present and future of our hobby.

10:00 a.m. - 12:00 p.m. Room 3

Instructor's Forum
Moderator: **Carole Perry, WB2MGP**
Speakers: **Tim Duffy, K3LR** Seven Years of Contest University; **Dan Romanchik KB6NU** Teaching One-Day "Ham Cram" Technician Classes Successfully.
Stan Reubenstein, WA6RNU, Lesson Plans for Teaching Cloaking.
Coming Attractions for Saturday Youth Forum Demo: HARRY POTTER MEETS HAM RADIO. Lesson plans will be handed out to all in attendance.

10:30 a.m. - 11:30 a.m Room 5

iOS and Android Rig Control
Moderator: **Nick Garner, N3WG**
Speaker: **George Zafiropoulos, KJ6VU**
This forum will review the lessons learned and methods employed to enable smartphones and mobile tablets to control amateur radios. We will look at the journey taken by N3WG of Pignology, LLC, to enable rig control using a small hardware device called Pigtail within his logging application "HamLog" on iOS, Android and Mac OSX. The latter half of the discussion will look at the evolution of Pigtail into an embedded Linux platform enabling full remote station control with streaming audio, rig control, and environment control/monitoring.

11:00 a.m. - 12:00 p.m. Room 2

Foxhunt/ ARDF
Moderator: **DickArnett, WB4SUV**
Speakers: **Bob Frey, WA6EZV; Brian DeYoung, K4BRI**
Topics include demonstration and discussions on a variety equipment used for VHF mobile, on foot, and ARDF style transmitter hunts.

11:30 a.m. - 12:30 p.m Room 1

APRS
An update on new techniques, software, hardware, and products for the APRS community. APRS has now spanned two decades and is ever-evolving to meet the information needs of the mobile operator and volunteer support for communication operators for community events. This year, even a DTMF version will be demonstrated allowing anyone with any HT to transmit APRS information, not just those with APRS capable radios. Come see the authors, experimenters, and builders that keep APRS moving.
Moderator: **WB4APR, Bob Bruninga**; APRS Operating notes Speaker:
N6BG, Byon Garrabrant; Byonics Update
N1VG, Scott Miller; Open Tracker toArgent Data System
W6GPS, Don Arnold; AVMAPG6 update

KC0BS, Brian Short; Kansas City 52 Hospital Project
AB9FX, Andres Bartosz; Wx3in1 stand-alone digi, igate, wx

11:45 a.m. - 12:45 p.m. Room 5

Kit Building
Kit Building tips and techniques
Moderator: **Joe Eisenberg, K0NEB**
Speakers: **Wayne Burdick, N6KR**, Elecraft; **Doug Hendricks, KI6DS**, Hendricks Kits; **Brian Wood,W0DZ**, DZkit
All speakers will cover kits they have for skill levels from beginners up to experienced builders, as well as give suggestions to make your time building kits more fun. Come find out what is the latest and greatest in kits and learn techniques to give you the greatest chance of success when building.

12:15 p.m. - 2:15 p.m. Room 2

Balloon Sat
Taking amateur radio to new heights with high altitude balloons!
Moderator: **Bill Brown, WB8ELK**
Speakers: **Bill Brown, WB8ELK**, Balloon Telemetry and Tracking; **Ron Meadows, K6RPT**; CNSP trans-Atlantic Balloon Adventure, part 2. (PPT presented by Bill Brown, WB8ELK) **Doug Loughmiller, W5BL**;ARBONET 2013 Update Jack Crabtree,W7JLC; The Ups and Downs of Ballooning, Triumphs and Tribulations in Arizona Brian Tanner; Spaceport Indiana high altitude student flights. A high altitude balloon will be flown from the flea market after the forum at 3:15 p.m.

12:15 p.m. - 1:45 p.m. Room 3

Ham Radio and the Law: Getting it
A discussion by Amateur Radio attorneys on legal issues of interest to hams: How to avoid restrictive covenants, how to present your case for a tower permit, do your own needs analysis and information on the latest court rulings on RFI, PRB-1, and towers. Updates on the ARRL's Amateur Radio Legal Defense and Assistance Committee.
Moderator: **Jim O'Connell, W9WU**, ARRL Volunteer Counsel
Speakers: **Fred Hopengarten, K1VR**, Author:Antenna Zoning for the Radio Amateur **Dennis Egan, W1UE** Do Your Own Needs Analysis **Dan Henderson, N1ND**, ARRL Regulatory Information Manager.

12:45 p.m. - 2:15 p.m Room 1

D-Star
Still growing with new hardware and software!
Moderator: **Robin Cutshaw, AA4RC**
Speakers: **John Davis, WB4QDX; Brian Hoyer, K7UDR; John Hays, K7VE**
D-STAR continues to grow in popularity with over 1,000 interconnected gateways and over 25,000 registered users. The last year has seen new hardware and software offerings that continue to expand the capabilities of this already feature rich protocol. The speakers for this forum will review the things you might have missed in the last year and announce some exciting new hardware and software.

1:00 p.m. - 2:15 p.m. Room 5

YLRL
Around the world and back: What YL's are doing in Ham Radio
Moderator: **Doshia Kretke, KB0NAS**
Speakers: **Anne Manna, WB1ARU; Cheryl Muhr, N0WBV.** Topics will include: What's going on with YL's, Anne's adventure, Cheryl's projects, and our upcoming 75th anniversary celebration and convention.

2:00 p.m.-3:30 p.m. **Room 3**

Ham Nation
Moderator: **Bob Heil, K9EID,** and **Gordon West, WB6NOA**
Speakers: **George Thomas, W5JDX; Julian Frost, N3JF; Randy Hall, K7AGE; Mike Ferreira, WT6H; Dale Puckett, K0HYD; Allan Mathews, K1LTJ; Bill Sepuleda, K5LN; Cheryl Lasik, K9BIK; AmandaAlden, K1DDN**
Meet the cast and fellow team members of HAM NATION , the weekly TWIT. TV one-hour show, seen and heard over the internet. Bob Heil and Gordon West introduce the cast, hosts, and most important, words from the HAM NATION net control operators who roll the show after it closes on the computer! Learn what it takes for YOUR video to make it on HAM NATION, and get a laugh on some un-scripted funnies that have occurred during this two-year, 100-show run, hosted by **Leo Laporte, W6TWT**!

2:30 p.m. - 5:00 p.m. **Room 1**

Antenna Forum
Moderator: **Tim Duffy K3LR**
How to be Safe when Installing and Maintaining - Antennas, Towers and Supports **Phil Theis, K3TUF**
Battling Oklahoma Wind and Ice, The Antenna Makeover Project Notebook at K5KC **Dr. Ken Case, K5KC**
The Computer Model Design, Construction and Field Results – of the World Radio Team Championship 2014 TriBand Antenna **Scott McClements, WU2X, and Stan Stockton, K5GO**
Getting Things Up! Antennas via Tram, Trolley, Cranes and Man lifts **John Crovelli, W2GD, and Don Daso, K4ZA**

2:30 p.m. -3:45p.m. **Room 2**

Using Amateur Radio in the Classroom
Moderator/presenter: **Matt Severin, N8MS,** ARRL Education & Technology Program Instructor. An introduction of how one teacher has used Amateur Radio in his classroom including tips for even the most novice radio operator. This forum is sponsored by ARRL, the national association for Amateur Radio.

2:30 p.m. - 3:30 p.m. **Room 5**

ARRL Presents: Power-line Interference
Presenters: **Mike Gruber, W1MG**, ARRL RFI Engineer, and **Ed Hare, W1RFI**, ARRL Laboratory Manager
Mike and Ed describe the causes of power line noise, explain ARRL's cooperative program with the FCC to work with utilities, and provide a demonstration of professional power-line-noise-locating equipment. This forum is sponsored by ARRL, the national association for Amateur Radio.

3:45 p.m. -5:00 p.m. **Room 3**

Advances in Software Defined Radio
SDR 10 years later. In the past 10 years, software defined amateur radio has gone from one ham's kitchen table and a series of QEX articles, to a thriving industry with radios ranging from exciting experimenter kits to chart busting high performance contest rigs. This moderated forum will cover what's new in SDR for experimenters using low cost "dongle" style receivers, high performance SDR from an open development community, and the latest in extreme performance commercially available SDR.
Moderator: **Steve Hicks, N5AC**: VP, Engineering, FlexRadio Systems
Speakers: **Howard Long , G6LVB**– FunCube. After involvement in several satellite projects, Howard was charged with designing the ground station hardware for the FUNcube satellites, a cube sat initiative run by AMSAT-UK. This resulted in the

FUNcube Dongle and latterly the FUNcube Dongle Pro Plus, with both SDR receivers housed in a USB stick.

ScottyCowling, WA2DFI; President, Zephyr Engineering, Inc. Scotty has been involved in the open HPSDR project for the last seven years, and is a past TAPR Director and past TAPR Vice President. He is also active in the production of openHPSDR components and other SDR projects. He is a co-founder of iQuadLabs, LLC, a supplier of openHPSDR systems and other Software Defined Radio components.

Gerald Youngblood, K5SDR- President/CEO, FlexRadio Systems. Gerald Youngblood founded FlexRadio Systems in April 2003 to develop and market the industry's first SDR products to the amateur radio market.

3:45 p.m. - 5:00 p.m. Room 5

Techniques of the Best Operators

Moderator: **Mitch Stern, W1SJ**

Speaker: **Tony Pazzola, W2BEJ**

Now that you've bought up all the great stuff from the Flea Market and got home and set it all up, now what do you do after you turn it on?

How do you go about making contacts with others?

How come everyone else works all the juicy DX while you can't even work the guy across town without ending up in sea of QRM? It's probably because they attended this forum in the past! A good station certainly helps, but knowing WHAT to do when you get on the air is even more important. Our forum today will certainly help. We'll start off with some of the basics of good repeater operating, move on to the more serious matter of emergency operation, dabble with DX, and finally learn how to use contests to become better operators. You won't be same operator by the end the day and will be a force to be reckoned with on the bands!

4:00 p.m. - 5:00 p.m. Room 2

County Hunting

Moderator: **Tim Eklin, W8JJ.** Tim has been county hunting since 2001 and has worked all 3,077 U.S counties (USA-CA#1203). He is currently working on his second time around and enjoys operating mobile and working state QSO parties to collect needed counties.

Speaker: **Bob Voss, N4CD** -Running the "Island" Counties

Bob is a county hunter who has transmitted from each of the 3,077 US counties. Using both SSB and CW, he has been chasing counties for 20 years. Some of the awards earned include USA-CA#883, Bingo, Master Gold, and Platinum Awards. He's the author/publisher of the County Hunter News OnLine and his presentation will focus on the challenges of transmitting from Dukes, Nantucket, San Juan, and the Hawaiian Islands.

Chuck Sanders, NO5W- Demonstration of GPS-enabled Software for Mobile Contesting (CQ/X). Chuck was first licensed as KN5MPM in 1957 and took a sabbatical from ham radio following college in 1968 but reentered the hobby as NO5W in 1984. Since that time, he has been an active CW contester with particular interest in mobile contesting in state QSO parties having operated as a mobile in Texas, Arkansas, Oklahoma, Kansas, Louisiana, Mississippi, Georgia, and Florida. He is a software developer and since retirement in 2006 has continued to develop software for ham radio including CQ/X which is GPS-enabled software for mobile contesting, and Pile Up Net which is used for CW Pile Up competitions, including the competition run by the Kansas City DX Club here at Dayton on Saturday evening. For a number of years he has been the coordinator of the Texas QSO Party and his presentation will take the audience through parts of a simulated mobile contesting trip in the Texas QSO Party.

Saturday, May 18th

9:15 a.m. - 12:15 p.m. Room1

Youth Forum

Moderator: **Carole Perry, WB2MGP.** Come join the fun and share the pride by attending this forum to support our talented young speakers. Bring kids with you to inspire them to join the fun of being a youngster in ham radio. Kids will get to meet other young hams.

The Kids:

RJ Paleski, KD2BLJ, age 15. How Young Hams Can Construct Antennas Without Power Tools

Padraig Lysandrou, KC9UUS, age 16. Leading a DXpedition to the Greek Island of Cyprus

Gary Bailey, KD0TRO, age 10. Radios and Components I have Built and Tested

Ben Jacobs, KC9ROI, age 15. Getting Started with Amateur Radio Satellites

Devlin Murray, KC2PIX, age 19, and **Chris Blackwood, KD2CXC,** age 16, Combining Robotics,Amateur Radio, and Public Emergency Service.

Special Demo: HARRY POTTER MEETS HAM RADIO. Dr. Nathan Cohen, inventor of Fractal Antenna technology will use participants from the audience to demonstrate the new technology of "cloaking" ...a HARRY POTTER-like, fun experience! You won't want to miss it! Co-sponsors of this year's Youth Forum are: ICOM, MFJ, KENWOOD, L'Anse Creuse ARC, Radio Club of America, Heil Sound, The W5YI Group, and Gordon West. There will be lots of prizes for the speakers, the kids in the audience, and the supportive adults in attendance. You must be present to win!

9:15 a.m. - 10:15 a.m. Room 2

SATERN

The Salvation Army Team Emergency Radio Network (SATERN) is an international team of trained radio operators who volunteer their services to provide emergency communications to enhance The Salvation Army's disaster response. The Salvation Army is a branch of the universal Christian Church, whose mission is to bring comfort and salvation to all persons at the point of need.

Moderator: **Peggy McNary, N9QT**

Speaker: **Ms. Dee Smith, W0DEE**, Emergency Disaster Services (EDS) Director for the Kansas and Western Missouri Division of The Salvation Army. The focus of Ms. Smith talk will be EDS and SATERN in her Division, with particular emphasis on SATERN's involvement in the Joplin, MO, tornado response. Additional Speakers **Major Rick Shirran, VE3NUZ**, SATERN National Director and **Major Patrick McPherson, WW9E**--SATERN Founder.

9:15 a.m. - 10:15 a.m. Room 3

Amateur Radio at the National Hurricane Center

Moderator:**John McHugh, K4AG**, Coordinator for Amateur Radio National Hurricane Center, WX4NHC

Speaker: **Julio Ripoll, WD4R**, Assistant Coordinator for Amateur Radio, NHC, WX4NHC

Forum will outline the role that Amateur Radio plays at the National Hurricane Center station, WX4NHC. We will explain how surface weather reports that we gather using HF radio and VOIP Internet helps the forecasters to make their predictions. We will have a section on weather initiatives, that we helped develop, to allow those with home weather stations to make a valuable and significant contribution to the National Hurricane Center.

There will also be a segment on how WX4NHC provided critical communication support immediately after the tragic earthquake in Haiti in 2010 Additional information can be found at http://www.wx4nhc.org

9:15 a.m. - 11:00 a.m. Room 5

ARRL Member Forum

Moderator: **Jim Weaver, K8JE**, ARRL Director—Great Lakes Division. ARRL is the largest national Amateur Radio association in the world. The organization has over 160,000 members worldwide, publishes the popular monthly journal QST, and

coordinates an extensive all-volunteer field organization. Hear from local and National ARRL officials on key areas of membership interest. Find out how ARRL supports dozens of ways to get involved and get on the air. Members and prospective members are all welcome!

10:30 a.m. - 11:30 a.m. Room 2

Drake Equipment

Supporting user interests and needs for Drake equipment.
Moderator: **Evan Rolek, K9SQG**, Useful tips and tricks.
Speakers: **Rob Sherwood, NC0B,** and **Ron Baker, WB4HFN**.
Drake still excels: performance & service, Mark Gilger WB0IQK: Where to get parts, service, and assistance.
Ask the Experts: Questions and Answers with **Jeff, WA8SAJ; Mark, WB0IQK; Ron, WB4HFN** and **Gary, W8PU**. FREE prize drawing including Drake memorabilia.
FREE collectable Drake pens for the first 100 attendees.

10:30 a.m. - 11:45 a.m. Room 3

Getting Started with Antenna Modeling

Antenna Modeling for Beginners
Moderator: **Ward Silver, N0AX**
Author –Antenna Modeling for Beginners: A discussion of how to begin using antenna modeling software to design simple antennas.
The discussion will be based on the EZNEC antenna modeling program (www.eznec.com) and illustrate several of the basic techniques involved. Examples of dipoles, verticals, loops, and common techniques used in modeling will be presented. There will be plenty of time for questions.
This forum is sponsored by ARRL, the national association for Amateur Radio.

11:15 a.m. - 1:30 p.m. Room 5

AMSAT

Moderator: **Alan Biddle, WA4SCA**
Speakers: **Barry Baines, WD4ASW**, AMSAT-NA President AMSAT Status Report. Barry will highlight recent activities within AMSAT and discuss some of the challenges, accomplishments, and exciting projects of the organization. **Frank Bauer, KA3HDO**,AMSAT-NA Vice President for Human Spaceflight, A report on ARISS. Frank will discuss amateur operations on the International Space Station.
Tony Monteiro, AA2TX, AMSAT-NA Engineering VP, AMSAT Fox Satellite Program.. Tony will present the current Status of the AMSAT Fox CubeSat Projects.
Howard Long, G6LVB, AMSAT-UK Committee Member, The AMSAT-UK FUNcube CubeSat. Howard will discuss the FUNcube project which will enable amateurs and students to use and learn about satellites. Mark Hammond, N8MH, AMSAT-NA Educational Relations VP. Mark will discuss what satellite operators can do to support the educational goals of AMSAT.

11:45 a.m. - 2:00 p.m. Room 2

Ham Radio Town Meeting

In keeping with the overall theme of the 2013 Dayton Hamvention, this years Amateur Radio Newsline™ sponsored Ham Radio Town Meeting is titled "What DX Means to Me." The session will take a very personal look at DX and DXing and how it has impacted the lives of those involved in various aspects of the hobby who will each share their poignant story with all of you. Please join us for this non-technical yet very heartfelt look at this very important part of ham radio as seen through the eyes of those whose stories we will all get to share.
Moderators: **Bill Pasternak, WA6ITF**; Amateur Radio Newsline, Inc.Santa

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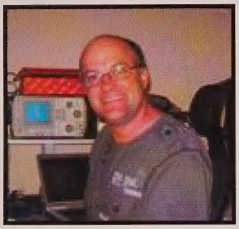
Special Achievement Award
GEORGE A. THOMAS, JR, W5JDX

George Thomas is recognized for his work on Amateur logic TV and Ham Nation. His video contributions are commended by hams worldwide and his entertaining instructional videos are both interesting and enlightening. He co-produces Amateur logic TV, the first and longest running internet television program dedicated to Amateur Radio and Technology. He also co-hosts on the weekly live Ham Nation internet video podcast on the TWIT network. His detailed videos make hard projects easier and more understandable.



Technical Excellence Award
DAVID ROWE, VK5DGR

David Rowe has 25 years experience in the development of DSP-based telephony and sat-com hardware/software. David has a wide mix of skills including software, hardware, project and business management, and a PhD in DSP theory. David has worked on open hardware and software projects in VOIP, developing world communications, echo cancellation, speech compression, and digital voice over HF radio. David's other interests include his popular blog, Electric Vehicles, Peak Oil, Energy Efficiency, and Amateur Radio. David received his first Amateur Radio license at age 13, over 30 years ago.

Technical Excellence Award
DAVID M. WITTEN, II, KD0EAG

Dave Witten received his original Amateur Radio license in 1966 at age 12. He has worked on medical imaging software development and telemedicine network deployment for over 25 years. His background includes a wide variety of communications-related and research support projects in both academic and private settings. His current interests include contributing to a variety of open source and Amateur Radio projects.

Club of the Year
WEST PALM BEACH AMATEUR RADIO GROUP

Since 1939, the West Palm Beach Amateur Radio Group has been recognized for their club activity and local community support. They provide in depth amateur radio classes and offer additional specialty classes. They volunteer and maintain the club permanent Amateur Radio Exhibit and station, WS4FSM, at the South Florida Science Museum. Since late 2012, this station has introduced amateur radio to thousands of youngsters that have spoken amateur radio operators worldwide.

AMATEUR OF THE YEAR

1955 ...William C. Jenney, W8FYW
Benjamin S. Zieg, W9EHU, K4OQK
1956....Edmund C. Ryan, W8LRR
1957....Ralph Crammer, W8VHO
1958 ....Rev. C. Lynn White, K4CC
1959....Harlow Lucas, W8QQ
1960....Paul Woffe, W8IVE
1961....Ed Bonnet, W8OVG
1962....Dana Cartwright, W8UPB
1963....Chester Funk, K8EUF, K7ZKL
1964 ...H. Ruble, W8PTF
1965....Carl B. Snyder, W8ARW
1966....Robert K Caskey, W9DNQ
1967....Jack Gray, W8JDV
1968....Elmer Schubert, W8ALW
1969....Wayne Walters, W9DOG
1970....Kay Anderson, W8DUV
1971....Al Michel, W8WC
1972 ...Don C. Miller, W9NTP
1973....Ray E. Myers, W6MLZ
1974....Barry Goldwater, K7UGA
1975 ...Richard A. Daniels, WA4DGU
1976....Joseph M. Hertzberg, N3EA
1977....Rafael M. Estevez, WA4ZZG
1978....Frank Schwab, W8OK
1979....George G. Batterson, W2GB
1980....Wayne Overbeck, N6NB
1981....Eric C. Shalkhauser, W9CI
1982....Robert G. Heil, Jr., K9EID
1983....Katashi Nose, KH6IJ
1984....Dave L. Bell, W6AQ
1985....John J. Willig, W8ACE
1986....Roy Neal, K6DUE
1987....Carole Perry, WB2MGP
1988....Bill Bennett, W7PHO
1989....Bill Pasternak, WA6ITF
1990....Stephen Mendelsohn, WA2DHF
1991....John B. Johnston, W3BE
1992....Richard Baldwin, WIRU
1993....Harry Dannals, W2HD
1994....Perry Williams, WlUED
1995....Rosalie White, WA1STO
1996....William A. Tynan, W3XO
1997....Leo I. Myerson, WØGFQ
1998....Andrew J. Feldman, WB2FXN
1999....Kenneth M. Miller, K6IR
2000....Marttie Laine, OH2BH
2001....George Jacobs, W3ASK
2002....Alanson "Hap" Holly, KC9RP
2003....Larry "Tree" Tyree, N6TR
2004....David Kopacz, KY1V
2005....Alan S. Kaul, W6RCL
2006....Gordon West, WB6NOA
2007....Jim Haynie, W5JBP
2008....Ward Silver, NØAX
2009....Wade D. Hampton, K4ITL
2010....Jim Stafford, W4QO
2011....Shirley Roberts, N8LX
2012....S. Suri, VU2MY

Previous Award Winners (continued)

SPECIAL ACHIEVEMENT AWARD

1977.....South American Moonbounce (EME)
Expedition Team of the Mt. Airy VHF
Radio Club Inc., Philadelphia, PA
Elliott Weisman, K3JJZ
Anthony Sousa, W3HMU
S. William Olsan, W3HQT
Walter Boldman, K3BPP
Daniel Mitten, WA3NFU
Socrates Martinez, WB3AFY
Bohnar Aguilar, WB3AOP
1978.....Ronald Moorefield, W8ILC
1979.....Edward Tilton, W1HDQ
1980.....Joseph Merdler N6AHU
198I.....Bill Pasternak, WA6ITF,
Bill Orenstein, KH6IAF
1982.....Bruce Humphrys, KØHR
1983.....Lenore Jensen, W6NAZ
1984.....Ethel Smith, K4LMB
1985.....Judith Frye, KG8P
1986.....Rev. Michael Mullen, C.M., WB2GQW
1987.....Arthur Gentry, W6MEP
1988.....Fred Hammond, VE3HC
1989.....Phil Karn, KA9Q
1990.....Paul Thomson, KCØVG
1991.....Nate Brightman, K6ØSC
1992.....Ned Raub, W1RAN
1993.....Robert Adams, WA9ZMO
1994.....Russ Kroeker, N7HGE
1995.....Ed Briner, WA3TVG
1996.....John Kraus, W8JK
1997.....Joseph J. Fairclough, WB2JKJ
1998.....John B. Bellows, Jr., KØQB
1999.....Paul D. Lieb, KH6HME
2000.....A. Prose Walker, W4BW
2001.....Frank Bauer, KA3HDO
2002.....Dr. Owen Garriott, W5LFL
2003.....Jonathan Taylor, K1RFD
2004.....George S. Wilson III, W4OYI
2005.....D. Bharathi, VU2RBI
2006.....Riley Hollingsworth, K4ZDH
2007.....Ed Hare, W1RFI
2008.....Emery McClendon, KB9IBW
2009.....Richard Garriott, W5KWQ
2010.....Richard "Dick" Ross
2011.....Fred L. Lloyd, AA7BQ
2012.....Steve Betza, WZ2V

TECHNICAL EXCELLENCE AWARD

1984....Lyle Johnson, WA7GXD
1985 ...Richard Whiting, WØTN
1986....M. E (Doug) DeMaw, W1FB
1987....Henry (Hank) Oredson, WØRLI
1988....Lew McCoy, W1ICP
1989....Byron Goodman, W1DX
1990....Bob McGwier, N4HY
1991....Lou McFadin, W5DID
1992....Gerald Cromer, K4NHN
1993....Dick Jansson, WD4FAB
1994....Dick Newell, AK1A
1995....Philip Ferrell, K7PF
1996....William Orr, W6SAI
1997....Al Ward, W5LUA
1998....Robert E. Bruninga, WB4APR
1999....Alfonso R. Torres, KP4AQI
2000....Dr. H. Paul Shuch, N6TX
2001....Peter Martinez, G3PLX
2002....Allen Waller, K3TKJ
2003....Steve Dimse, K4HG
2004....Barry Sanderson, KB9VAK
2005....Dr. Jerry Sevick, W2FMI
2006....Richard Illman, AH6EZ
2007....David Cameron, VE7LTD
2008....Thomas C. McDermott, N5EG
2009....Copthorne Macdonald, VY2CM
2010....Simon Brown, HB9DRV
2011....Roy W. Lewallen, W7EL
2012....Joel R. Hallas, W1ZR

Town Meeting (cont)

Clarita,CA. **Henry Feinberg, K2SSQ**; Feinberg International, LLC,West Orange, N.J. Speakers and topics subject to change without notice. Door prizes will be drawn between speakers and at the end of this session. You must be present in the session room to win.

Speaker: **Chip Margelli, K7JA**– Keynote speaker. Charles H. "Chip" Margelli has quite literally devoted his life and career to the world of Amateur Radio.

Dave Bell, W6AQ, is an award winning Hollywood Producer and Director responsible for such big-screen classics as "The Long Walk Home."

Nancy Kott, WZ8C, is the founder of the North American Chapter of FISTS –The International Morse Code Preservation Society.

Steve St Andre, WB8WSF, is from Lansing, MI, and is a System Administrator at Michigan State University. His primary interest in ham radio has always been VHF+ communications starting out on 2 meters.

Bruce Perens, K6BP – is from Berkeley, CA, and is one of the founders of the "Open Source Movement in software and is currently involved in the creation of FreeDV which is a digital HF voice mode.

John Abbruscato, W5JON (V47JA) has been continuously licensed and active since 1960. John grew up in Westfield, NJ, (first licensed as WA2PBN) and moved to Texas with XYL, Cathy (W5HAM) in 1975.

The Ham Radio Town Meeting is produced for the Dayton Hamvention by the Amateur Radio Newsline, Inc., Los Angeles, CA 91350 E-Mail:newsline@arnewsline.org.

12:00 p.m. - 1:00 p.m. Room 3

RTTY Contesting
Moderator: **Ed Muns, W0YK**
Speaker: **Larry Gauthier, K8UT**; RTTY Receive Developments
Pete Smith, N4ZR; RTTY Skimmer
Mark Aaker, K6UFO; 2012 CQ WW RTTY Contest Plaques
Some exciting enhancements have been created this past year that are of great interest to RTTY contesters. David, G3YYD, developed the 2Tone decoder that has been very successful for many users in out-performing MMTTYand other decoders in marginal signal conditions. Weak signals, flutter, multi-path, light QRM and other situations will often print clearly in 2Tone while MMTTY and others will print partial or completely garbled text. Moreover, 2Tone takes significantly less CPU cycles, providing better performance for users who run multiple parallel decoder windows.Two other enhancements that are in early development will also be presented . First is Adaptive Receiving that Larry, K8UT, has been experimenting with. Second is RCKSkimmer developed by Walter, DL4RCK, which brings the amazing capability of CW Skimmer to the RTTY world. The forum will wrap-up with a short presentation of plaques for the attending winners in various categories of the 2012 CQ WW RTTY Contest.

12:30 p.m. - 2:30 p.m. Room 1

Contesting
Moderator: **Doug Grant, K1DG**
Speaker: **Dennis Egan,W1UE**; Adding remote capability to the existing W1KM multi-multi contest station Dwayne Allen,WY7FD, and Katie Allen,WY7KRA; Who says Sweepstakes isn't exciting?
Randy Thompson, K5ZD; Meet the new CQWW Director Mark Beckwith, N5OT, and Kam Sirageldin, N3KS/TI5W; TI5W(9143 Q, 349M) vs. VP2ME (9147 Q, 348 M).

1:15 p.m. to 2:15 p.m. Room 3

ARRL & FCC on Amateur Radio Enforcement
Moderators: **Dan Henderson, N1ND**, ARRL Regulatory Information Manager and **Laura Smith**, Special Counsel, Federal Communications Commission. An update on how the ARRL and the FCC work together to promote operation on the Amateur Radio bands legally, safely, and appropriately. The presentation will include information on the role of the ARRL Amateur Auxiliary (better known as the Official Observer Program) and the current status of Amateur Radio enforcement from the FCC perspective.

1:45 p.m. to 3:00 p.m. Room 5

SSTV
Moderator: **Don Miller, W9NTP**
Speakers: **Mel Whitten, K0PFX.** Mel was an early adopter of Digital SSTV getting his start with Digtrix, WinDRM, HamPal, and Easypal. Mel authored the user documentation for HB9TLK, Cesco's WinDRM which was a popular program until EasyPal adopted the DRM standard. Mel has been a supporter of HF digital voice for nearly ten years. Mel has been working with a number of amateurs to develop a new digital voice replacement and to find a new source to FDMDV using the new open source Codec2. The new digital voice is called freeDV.
Rick Peterson, WA6NUT. Rick has developed a signal format that permits both digital voice and video to be transmitted simultaneously. The signal is called freeDV plus video. This mode is the subject of an article in the Winter 2013 issue of Amateur Television Quarterly.

2:15 p.m. - 3:15 p.m. Room 2

Embedded Linux and Microcontrollers for Ham Radio Projects
Moderator: **George Zafiropoulos, KJ6VU.** Micro-controllers are used in many different ways in the ham shack for projects like keyers, antenna tuners, and repeater controllers. Now there is a whole new world of inexpensive embedded Linux single board computers that can also be used for may ham radio projects. In this session, we will introduce you to some of the most popular boards including the Raspberry Pi and BeagleBone. We will give you a tour of their hardware features, software environment, and some ham radio project examples. We will compare the differences between these new boards and traditional micro-controllers and help you understand the pros and cons of each. Several project examples will be given.

2:30 p.m. - 3:30 p.m. Room 3

The ARRL Laboratory
Moderator: **Ed Hare,W1RFI**, ARRL Laboratory Manager. Ed Hare,W1RFI, describes the many jobs done in the ARRL Laboratory and the lab-staff involvement with ARRL's efforts to protect the Amateur Radio spectrum. Ed also shares a few tales of the Lab that you won't read about in the pages of QST. This forum is sponsored by ARRL, the national association for Amateur Radio

2:45 p.m. - 5:00 p.m. Room 1

DX Forum
Sponsored by Yaesu and the SouthWest Ohio DX Association (SWODXA). This year the emphasis for Hamvention 2013 is DX, and we are attempting to make the DX forum program more varied and interesting to the old DXer and the new DXer alike. In addition to the presentations listed below, there will be a drawing for a Yaesu FT-950 which is being donated by Yaesu. SWODXA has become a significant donor to top tier DXpeditions as a result of this annual event.
Moderator: **Jay Slough, K4ZLE**
Speakers: **Carl Luetzelschwab, K9LA**

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2013 DARA Local Scholarships

In the fall of 2011, the Dayton Amateur Radio Association (DARA) saw a need to help young local radio amateurs attend college. They created a scholarship program for local students. A committee was created to supervise the local scholarship program. Thus far, we have awarded six scholarships. The $1,500 scholarships are to be used for tuition, books or other related expenses. The student is required to be an active DARA member with a minimum of one-year membership history and must hold an FCC Amateur Radio License. The scholarship must be used for continuing education in a math- or science-related field in an accredited two- or four-year university program. This past year's scholarship winners are:

Andrea Rollert KD8FNY

Andrea received the first DARA Local Scholarship. She has been a DARA member for several years and an active participant in club activities. Andrea participated in the DX Youth Expedition to Costa Rica. She attended Fairmont High School in Kettering and was active in the concert and glee choirs and member of the National Honor Society, the Spanish Honor Society and the Journalism Honor Society. Andrea attends The Ohio State University and is working towards a degree in aeronautical engineering. She was also a 2011 recipient of the David W Misek (N8NPX) Memorial Scholarship.

Arthur Siwecki KD8NUB

Arthur has been a member of DARA for two years and an active participant in club activities. He has been a volunteer at Dayton Hamvention, a DX Youth Adventure participant in 2011, Techfest volunteer and a regular attendee of club meetings. Arthur is attending the University of Dayton in the College of Arts and Science with a duel major in Physics and Computer Science. "Arthur is an enthusiastic student with a good work ethic." He said "Amateur radio is an important part of my life because through it I have made many good friends, I have learned about many science and geography topics, and because it is a lot of fun!"

Hannah Harris KD8OWV

Hannah has been an active member of DARA for several years. She enjoys contesting with her father. She is a graduate of Vandalia Butler High School and participated in the National Honor Society. She was also an active member of the school Latin Club and Drama Club. Hannah also took advanced placement classes in chemistry, calculus, and Latin. Hannah is attending The Ohio State University majoring in Biological Science and working towards a degree in Veterinary Medicine.

Rachel Hock KD8FOB

Rachel has been an active member of DARA many years. She has participated in Techfest, Field Day, and worked the Holiday at Home Parade. She also participated in the DX Youth Expedition to Costa Rica. Rachel holds a General Class FCC Amateur Radio License. She enjoys antennas and contesting. Rachel attends the University of Dayton studying civil engineering and plans to specialize in structural, environmental and / or traffic. One of the favorite things she did with DARA was help with Techfest. "It was great to see all the kids get so much enjoyment after seeing their radio work and feeling the accomplishment."

Christina Crawford KD8DGL

Christina has been a licensed radio amateur since she was eleven years old. She practically grew up with DARA. She volunteers in numerous public service events (an extensive list including marathons, triathlons, bike rides, parades, and much more) annually. Christina has been on two DX Youth Expeditions to Costa Rica. Christina will be attending The Ohio State University majoring in Radiologic Sciences and Therapy. She plans to use her degree as an ultrasound technician specializing in high risk pregnancies.

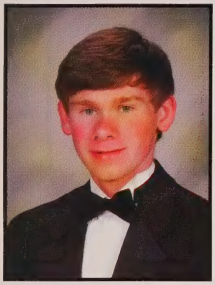
Richard Pierce III KD8QYU

Richard has been a member for over a year. He has helped at Dayton Hamvention® by selling bus passes and has worked mobile communications at the Dayton River Corridor Classic Half Marathon. Richard is continuing his education taking general courses at Sinclair Community College and will complete a Mechanical Engineering degree at Wright State University. His interest in engineering started as an infatuation with how things worked. At a young age he would take things apart and put them back together. Since childhood he has been fascinated with cars and motorcycles and would like to do research and development work in the automotive industry.

2013 ARRL/ DARA Scholarships

Johnathan Mayo, AB3FX

of Culpepper, VA, is an honor student at Virginia Polytechnic University and carries a 3.8 GPA. First licensed in 2006, he holds an Extra Class Amateur Radio license and is an ARRL member. He enjoys home brew for antennas and uses the 40m dipole, portable 20m vertical and 6m moxon that he constructed. Jonathan found inspiration in Amateur Radio for his studies in Electrical Engineering—a career that he is pursuing.



William Probst, KJ4RXM

of Macon, GA, is student a Howard High School in Macon, GA, where he carries a 3.9 GPA. First licensed in 2010, he holds a Technician Class Amateur Radio license and is an ARRL member. He rose to the rank of Eagle Scout in 2010, and received a Certificate of Merit from the University of Georgia in 2011. William comes from a family of hams an recalls logging contacts for his father, N4VDL. He plans to study economics and law at Sewanee University of the South with an eye to a career as a Certified Public Accountant.

Lauren Rice, KC2LR

of Syracuse, NY, is a student at Cornell University where she carries a 3.18 GPA. First licensed in 2001, she holds an Extra Class Amateur Radio License and is an ARRL member. She earned Dean's List honors in 2011 and was a Cornell Traditions Fellow in 2009 and 2010. She serves as a volunteer operator at local public service events. Her interest in Amateur Radio began when she was nine years old when she found a Kenwood and was bitten by the bug. She earned her first license at age ten and quickly followed that by earning her General and Extra Class licenses. She is studying Biological Sciences with a concentration in Microbiology with plans for a career in medical research.

Kevin Rocheleau, KD8DJB

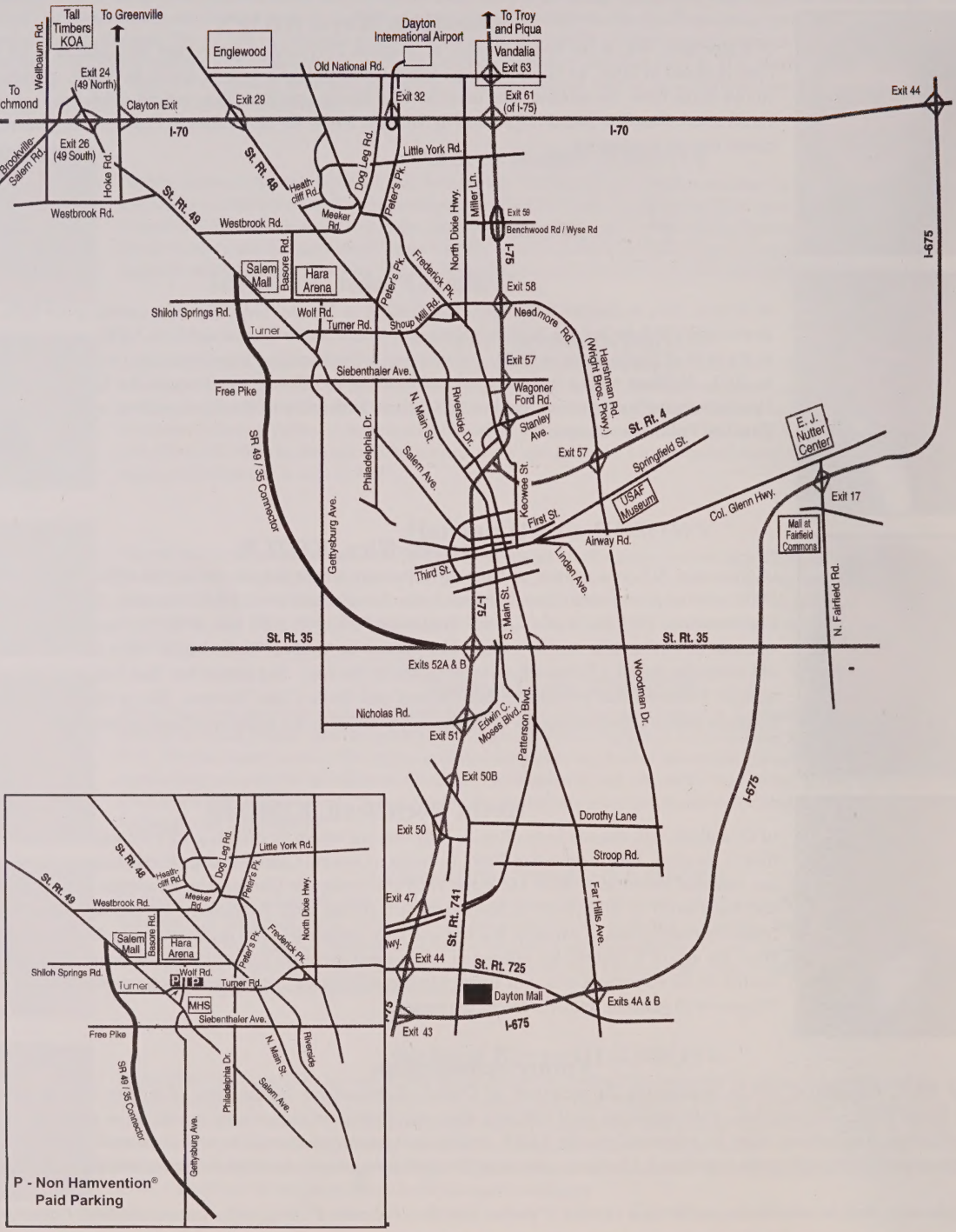
of Onondaga, MI, attends Eaton Rapids High School where he carries a 4.2 GPA and is ranked first in his class. First licensed in 2006, he holds a General Class Amateur Radio License. Kevin has received a certificate from Michigan Tech University for Outstanding Academic Achievement and was named an AP Scholar in Multivariable Calculus with Technology. He is a Boy Scout and regularly participates in Amateur Radio Field Day operations. His involvement in Amateur Radio since the age of 9 inspired his interest in science and Amateur Radio electronics helped him in his studies of AP Physics. Kevin will attend Michigan Technological University to pursue studies in Physics with plans to follow a career in research.

Future Scholarships

The ARRL Foundation will be announcing the recipients of DARA's Scholarships for this year after May 15th. To apply for future DARA Scholarships, each applicant must submit a transcript from their high school or college to complete their application. Applications must be submitted via the ARRL website and transcripts should be sent via e-mail. Applications without transcripts will not be considered. Questions concerning the application process should be directed to foundation@arrl.org.

Applications must be submitted no earlier than October 1st and no later than February 1st along with a current academic transcript.

Dayton Area


Tall Timbers KOA
To Greenville
Wellbaum Rd.
To Richmond
Exit 24 (49 North)
Clayton Exit
Exit 26 (49 South)
Brookville-Salem Rd.
Hoke Rd.
Westbrook Rd.
I-70
Englewood
Exit 29
St. Rt. 48
St. Rt. 49
Dayton International Airport
Old National Rd.
Exit 32
To Troy and Piqua
Vandalia
Exit 63
Exit 61 (of I-75)
Exit 44
Dog Leg Rd.
Little York Rd.
Heath-cliff Rd.
Meeker Rd.
Peter's Pk.
North Dixie Hwy.
Miller Ln.
Exit 59
Benchwood Rd / Wyse Rd
I-75
I-675
Salem Mall
Basore Rd.
Hara Arena
Frederick Pk.
Exit 58
Shiloh Springs Rd.
Wolf Rd.
Turner Rd.
Shoup Mill Rd.
Needmore Rd.
Turner
Siebenthaler Ave.
Exit 57
Free Pike
Wagoner Ford Rd.
Riverside Dr.
N. Main St.
Stanley Ave.
Harshman Rd. (Wright Bros. Pkwy.)
St. Rt. 4
Springfield St.
E. J. Nutter Center
Philadelphia Dr.
Salem Ave.
Keowee St.
First St.
USAF Museum
Col. Glenn Hwy.
Exit 17
Mall at Fairfield Commons
SR 49 / 35 Connector
Gettysburg Ave.
Airway Rd.
Third St.
Linden Ave.
S. Main St.
N. Fairfield Rd.
St. Rt. 35
Exits 52A & B
Nicholas Rd.
Exit 51
Edwin C. Moses Blvd.
Patterson Blvd.
Woodman Dr.
Exit 50B
Exit 50
Dorothy Lane
Stroop Rd.
Exit 47
St. Rt. 741
Far Hills Ave.
Exit 44
St. Rt. 725
Dayton Mall
Exits 4A & B
Exit 43
P - Non Hamvention® Paid Parking

DX Forum (cont)

Carl will enlighten us with a "Real-Time Assessment of the Bands." This discussion will include using the NCDXF beacons, DX Summit, remote receivers, and Reverse Beacon Network. He may even throw in a slide or two on Cycle 24.

Hal Turley, W8HC

Hal will give us a biographical sketch of a DX legend. It should be interesting to learn about Al Hix,W8AH (SK). Al was well known by anyone who DXpeditioned prior to 2003 when he died. Hal knew Al well and roomed with him for over a decade of Hamventions. Hal is well known to the DX community, himself, for operations from 4X, and as an operator on the 2012 NH8S, Swains Island DXpedition.

George Wallner, AA7JV

George plans to give us some insight into the recent St. Peter & St. Paul Rocks DXpedition, PT0S. Rather than the typical litany, George plans to spend most of the time talking about what he and Harry, HA7RY, do to be effective on the low bands. vs. placing increased emphasis QSO count. You should still come away with a feel for what it was like to operate from the rocks! Most active DXers will recognize George as the other half, along with HA7RY, who have brought us some super operations such as TX3A, VK9GMW, 5K0T and VK9WWI.

Dave Collingham, K3LP

Dave will tell us about the recent activation of Yemen as 7O6T. Dave is the veteran of many DXpeditions to remote and difficult to activate entities. The location of this operation was Socotra, which was at one time a separate DXCC entity. Come and see, come and learn, come and have a good time.

3:15 p.m. - 5:00 p.m. Room 5

Joint Service Military Auxiliary Radio System (MARS)

Moderator: **Gary Sessums**, MARS National Military Liaison

Speakers: Chief of Navy-Marine Corps MARS-**Bo Lindfors, NNN0ASA**

Chief of Air Force MARS -**Richard Jenson, AGA5C**

Chief of Army MARS - **Stephen Klinefelter, AAA9A**

News updates from the MARS Service Chiefs, DoD contingency communications exercises, Automatic Link Establishment (ALE).

3:30 p.m. - 5:00 p.m. Room 2

Fast Scan Amateur Television (ATV)

Moderator: **Art Towslee, WA8RMC**; Introduction

Speakers: **Gordon West, WB6NOA**; LIGHTS, CAMERA, ACTION! Gordon will demonstrate that the comedic combination of lights, cameras, and unique actions will be a great benefit to ATV nets.

Jim Andrews, KH6HTV; ATV& Public Safety. Jim will talk about how ATV can support public service activities.

Mike Collis, WA6SVT; ATV update in southern California Mike will update us on the latest enhancements to the southern California ATV network.

Bill Brown, WB8ELK; ATVQ Magazine review. Bill will briefly describe the features of the popular ATVQ ATV Magazine. Also, I'm sure he'll toss in some of his balloon launch activities.

Brian Jordon, G4EWJ; DigiLite DATV transmitter design. Brian will remotely present, via DVD, the details of their DigiLite DATV transmitter design offered in kit form by the European BATC group.

Art Towslee, WA8RMC; DATVexpress progress & Q/A session. Art will Follow up on Brian's presentation with a progress summary of the DATVexpress transmitter board due for completion later this year along with a Q &A session, if time permits.

Saturday (continued from page 43)

3:45 p.m. - 5:00 p.m Room 3

VHF/ UHF/ Microwave

Moderator: **Tom Holmes, N8ZM**

Speakers: **Zack Widup, W9SZ**: VHF/Microwave Portable/Rover operations- my experiences with equipment and locations. Zack will describe his equipment and the improvements he has made to his roverstation over several years, and also his experiences with finding portable operating sites. Zack is an experienced rover and has a lot to share!

Kent Britain, WA5VJB: Unusual Antennas I have known, and sometimes loved. Tales of non-typical antenna designs and applications as only WA5VJB can tell them. Come and enjoy!

Sunday, May 19th

9:15 a.m. - 10:15 a.m. Room 5

Bicycle Mobile

The 23st Annual BMHA forum at Hamvention

Moderator: **Mike Nickolaus, NF0N.** Bicycle Mobile Hams of America got its start in 1989 when a QST article by **Hartley Alley, NA0A,** asked hams who operate their radios while bicycle-mobile to get together and form a group. BMHAhosts a website along with the BMHAYahoo Groups forum.

9:15 a.m. - 10:15 a.m. Room 1

DXing with DXLab

Better DXing through software

Moderator: **Dave Bernstein, AA6YQ**, author of DXLab

DXLab, a freeware suite of interoperating applications has the usual transceiver control and logging functionality provided by many amateur radio applications, DXLab provides many unique capabilities in support of DXing and the pursuit of DXing awards.

Examples include: A database of currently active DX stations color-coded by "need" and participation in LoTW and eQSL. Announcements when needed DX stations are first spotted. A "universal translator" that knows which of 70 languages are spoken in a callsign's region, and displays the translation of 50 frequently used phrases in those languages. One-click access to more than 80 web-accessible sources of QSL information.

9:15 a.m. - 10:15 a.m. Room 2

Exploring Our World through Remote Sensing and Ham Radio

Applications for Science and Math Curriculum

Moderator: **Mark Spencer, WA8SME**, ARRL Education and Technology Program Director. Remote sensing, whether carried on high altitude balloons aloft, satellites in space, or afloat on water borne buoys, is an evolving and fascinating facet of our hobby. Hurricane warnings, Tsunami alerts, predicting global climate change, or day-to-day weather observations for air traffic operations all have one thing in common, remote sensing from seaborne, air, or space borne buoys…but how does that work? During this forum, the discussion will center on new resources developed by ARRL's Education & Technology Program that allows students and interested hams to explore remote sensing, how to use remote sensing to study our environment and the pivotal role that ham radio plays in connecting the users to the remote sensing platforms aloft or in the water. This

forum will be of particular interest for school teachers and those interested in supporting STEM education in our schools (STEM = Science, Technology, Engineering and Math). This forum is sponsored by ARRL, the national association for Amateur Radio

9:15 a.m. - 10:15 a.m. Room 3

Collecting and Restoring Ham Radios of the Past
Moderator: **Patrick Bunsold, WA6MHZ**, Curator of the Crest Radio Museum.
There is a great Resurgence in acquiring and bringing back to life "Boat Anchors", the Ham Radios of the early years. In this forum, we will detail techniques and examples of just how to restore your vintage radio to have it look and play like it did way back when it came off the assembly line. Included will be a tour of the famous Crest Radio Museum, possibly the largest collection of vintage Ham sets in the world! This is a MUST SEE program for all those hams who love our old rigs and want to make them play again like new! Patrick also loves home-brew as well, and runs a Radio Hospital from his workplace after hours where the old rigs are brought back to life. Many of the rigs were found right here at the Dayton Hamvention flea market!

10:30 a.m. - 11:30 a.m. Room 1

Digital Mobile Radio (DMR)
Moderator: **John S. Burningham, D.I.T., W2XAB**
DMR is an international standard for digital two-way radio systems. A number of manufacturers including Motorola, Hytera, Harris, BFDX, Tait, Vertex Standard, Icom and Kenwood are involved with DMR. The presentation will include a basic introduction to DMR Tier2 which has been implemented in a number of Amateur Radio networks world wide including the DMR-MARC and others.

10:30 a.m. - 11:30 a.m. Room 2

QCWA
Moderator: **Larry McCalvy, WA9JMO**
Speakers: **Ken Oelke, VE6AFO;** and **Ken Simpson, W8EK.** The forum will discuss the current changes evolving in QCWA, why and how they came about and how they benefit QCWA and the membership overall. Why we moved to an all electronic Journal and publish monthly instead of quarterly. We now operate with an all volunteer management team eliminating all paid staff except for the Journal Editor. The Board of Directors now have a firmer grasp and control of the day-to-day operations needed to run a Not-for-Profit organization. Other items that will be discussed and presented: QCWA QSO Party - a request for ideas and suggestions. QCWA Cruise - October 18 - 28, 2013 - what is this all about and what will happen?

10:30 a.m. - 11:30 a.m. Room 3

Amateur Radio Emergency Services (ARES)
Forum is for all past, present and future ARES volunteers.
Moderator: **Matthew Welch, W8DEC**, Ohio Section Emergency Coordinator
Speakers: **Frank Piper, KI8GW**, Ohio Section Manager; **Ken Bailey, K1FUG,** from ARRL HQ **Rob Macedo, KD1CY**; Eastern Massachusetts SEC. Come join us in an hour long discussion on recruiting, retention, and future of ARES.

Dayton Hamvention Past General Chairs

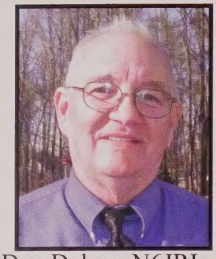
1952-1955	John J. Willig, W8ACE	*
1956-1957	Rudy Plak, W8ZOF (W6TIK)	*
1958	Frank J. Schwab, W8YCP (W80K)	*
1959-1960	Ed F. Bonnet, W80VG	*
1961-1962	Joseph H. McNutt, W8GFN	*
1963-1964	Sheemon A. Wolfe, W8WJL	*
1965-1966	Edgar A. Smith, W8RKL	*
1967	Robert Wilcox, K8EJI	*
1968-1969	Jack Ohmart, K8CUA	
1970-1971	Kenneth E. Mills, W8RLY	
1972	George L. Shearer, WA8IHC (KE8WJ)	*
1973-1976	Ted L. Suarez, K8BSC	*
1977	Wallace M. Wright, WA8ZCA (AD8N)	*
1978	John Basilotto, W5GI (WA8ZAN)	*
1979	Sandford H.Cohen, W8JEZ	*
1980-1981	Noel K. McKeown, WB8QQC	
1982-1983	Harold A. Judd, K4GZL	*
1984-1985	Jack Mitchell, AA8Q	
1986-1987	Jim Simpson, WB8QZZ	
1988-1989	Bill McNabb, WD8SAY	
1990	Ed Hillman, N8ALN	
1991-1992	Ross Brown, WA8DQH	
1993-1994	Dave Grubb, KC8CF	
1995-1996	Ken Allen, KB8KE	
1997-1999	Dick Miller, N8CBU	*
2000-2002	Jim Graver, KB8PSO	
2003	Pat Neff, N8IGS	
2004- 2005	Gary Des Combes, N8EMO	
2006-2007	Jim Nies, WX8F	
2008-2009	Carl Rose, K8CPR	
2010	Lee Boeckerman, W8LFB	
2011-2012	Michael Kalter, W8CI	

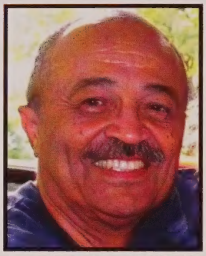
* Silent Key

Past DARA Presidents

1926	C.A. Petry	8AWN
1927	C.A. Petry	8AWN
1928	Lou Driggs	W8HEQ
1929	Ray Stotts	
1930	Art John	W8DMI
1931	Fred Rawson	W8KKH
1932		
1933	Fred Allen	W8GER /W8FU
1934		
1935	Dan C. McCoy	W8CI/W8DG
1936		
1937		
1938	Emil Henrich	W8OVL
1939		
1940	Russ Gardner	W8TPC
1941		
1942	Cheever Ely	W8LJ
1943	Cheever Ely	W8LJ
1944	Cheever Ely	W8LJ
1945	Hyde E. Ruble	W8PTF
1946	Hyde E. Ruble	W8PTF
1947	Russ Hardy	W8AQT
1948	Clem Wolford	W8ENH
1949	John Willig	W8ACE
1950	Clem Wolford	W8ENH
1951	Frank Schwab	W8YCP/W8OK
1952	Frank Schwab	W8YCP/W8OK
1953	Hyde E. Ruble	W8PTF
1954	Rudy Plak	W8ZOF
1955	Allan D. Gunston	W8GQ
1956	Andrew B. Henderson	W8WYL
1957	Robert G. Siff	W8QDI
1958	Ed F. Bonnet	W8OVG
1959	Joseph H. McNutt	W8GFN
1960	Walter G. Burdine	W8ZCV
1961	Robert F. Zimmerman	W8DPW/W8ZM
1962	Hyde E. Ruble	W8PTF
1963	Richard D. McFadden	K8ERE
1964	Ted Suarez	K8BSC
1965	Robert E. Wilcox	K8EJI
1966	Jim Dakin	K8BPC
1967	Ken Mills	W8RLY
1968	George Shearer	WA8IHC/KE8WJ
1969	George Shearer	WA8IHC/ KE8WJ
1970	Owen Vance	WA8PHW
1971	Jules Wittebort	W8SE
1972	Budd Chaney	WA8UUX
1973	Wesley Duckwitz	W8IPT
1974	Ken Mills	W8RLY
1975	Robert O. Wilson	W8JRN
1976	Robert O. Wilson	W8JRN
1977	Melvin L. Levy	WA8YKV
1978	Melvin L. Levy	WA8YKV
1979	William G. Ingling	W8SVI
1980	William G. Ingling	W8SVI
1981	Victor M. Stauder	N8FPF/WA2KOO
1982	Victor M. Stauder	N8FPF/WA2KOO
1983	Thomas Holmes	N8ZM
1984	Victor M. Stauder	N8FPF/WA2KOO
1985	Edgar "Red" Smith	W8RKL
1986	Ray Smith	KR8B
1987	Ray Smith	KR8B
1988	Al Torres	KP4AQI
1989	Thomas Holmes	N8ZM
1990	Thomas Holmes	N8ZM
1991	Ron L. Moorefield	W8ILC
1992	Thomas Holmes	N8ZM
1993	Victor M. Stauder	N8FPF/WA2KOO
1994	Thomas Holmes	N8ZM
1995	Dave Coons	WT8W
1996	Dave Coons	WT8W
1997	Michelle Ervin	KA9FUL
1998	Gary DesCombes	N8EMO
1999	Gary DesCombes	N8EMO
2000	John Phillips	N8ZGT
2001	Reuben Meeks	W8GUC
2002	Reuben Meeks	W8GUC
2003	Mike Buehler	N8XGA
2004	Mike Buehler	N8XGA
2005	Mike Kalter	W8CI
2006	Mike Kalter	W8CI
2007	Jim Simpson	WB8QZZ
2008	Jim Simpson	WB8QZZ
2009	Steve Coy	K8UD
2010	Jim Simpson	WB8QZZ
2011	Steve Coy	K8UD
2012	Don Dubon	N6JRL

DARA Board


Don Dubon, N6JRL
President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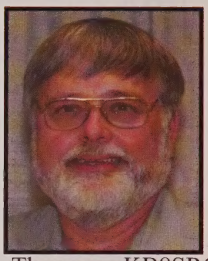
Nancy Krodel, KC8RMT
Secretary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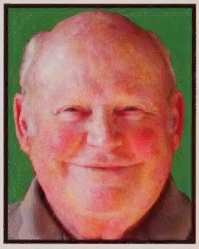
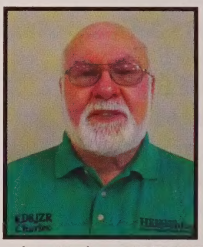
Scott Myers, AC8DE
Senior Trustee


Jerry Miller, WD8QAI
Junior Trustee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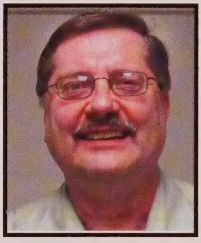
Hamvention General Chair

Planning Council

Chuck Wright, K8MDB


Gary Kopas, K8CSH

Carl Rose, K8CPR

While you are in town be sure to stop by the newly re-modeled club house with a 4000 square foot addition

DARA Club House

Open House Hours:

Friday 4:00 p.m.-6:00 p.m.

Saturday 4:00 p.m.-6:00 p.m.

Directions to DARA's Club House

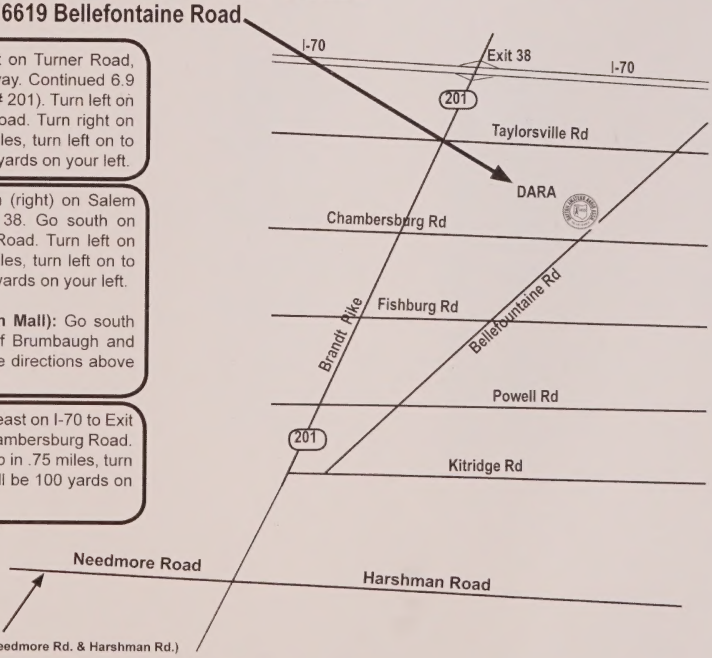
6619 Bellefontaine Road

From Hamvention: Take Wolf Road south, Turn left on Turner Road, Turner Road is also known as Wright Brothers Parkway. Continued 6.9 miles on Wright Brothers Parkway to Brandt Pike (SR# 201). Turn left on Brandt Pike and travel 2.2 miles to Chambersburg Road. Turn right on Chambersburg Road. At the Four Way Stop in .75 miles, turn left on to Bellefontaine Road. DARA's Club House will be 100 yards on your left.

From Remote Parking (Old Salem Mall): Go north (right) on Salem Avenue (SR# 49) to I-70. Go east on I-70 to Exit 38. Go south on Brandt Pike (SR# 201) 1.5 miles to Chambersburg Road. Turn left on Chambersburg Road. At the Four Way Stop in .75 miles, turn left on to Bellefontaine Road. DARA's Club House will be 100 yards on your left.

Alternate Route From Remote Parking (Old Salem Mall): Go south (left) on Salem Ave) 0.8 miles to the Intersection of Brumbaugh and Turner Roads. Turn left on Turner Road and follow the directions above "From Hamvention:"

From Downtown Dayton: Take I-75 north to I-70. Go east on I-70 to Exit 38. Go south on Brandt Pike (SR# 201) 1.5 miles to Chambersburg Road. Turn left on Chambersburg Road. At the Four Way Stop in .75 miles, turn left on to Bellefontaine Road. DARA's Club House will be 100 yards on your left.



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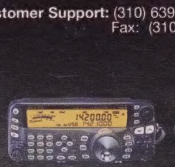
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TM-V71A

TM-281A

TH-D72A TH-K20A TH-F6A

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